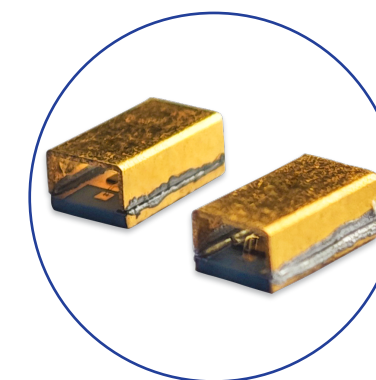
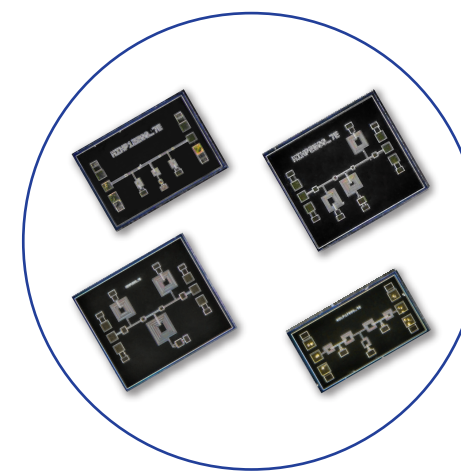




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-----Custom Microwave Filter



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Chip Filter

GOOD PARTS

CATALOG

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IYCHCB1725-1300-7Z11	43
IYCHCB1950-1825-7Z11	43
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CATALOG

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IYCHCB4300-8200-7Z11	50	IYCHCB5250-10225-7Z11	57	IYCHCB4875-1775-7Z11	64
IYCHCB4300-8275-7Z11	50	IYCHCB5250-10700-7Z11	57	IYCHCB5250-2375-7Z11	64
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IYCHCB4300-8525-7Z11	51	IYCHCB4075-1775-7Z11	58	IYCHCB6050-3750-7Z11	65
IYCHCB2825-875-7Z11	51	IYCHCB4300-2325-7Z11	58	IYCHCB6050-4475-7Z11	65
IYCHCB3250-1650-7Z11	52	IYCHCB4600-2925-7Z11	59	IYCHCB6425-4950-7Z11	66
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IYCHCB4300-4175-7Z11	53	IYCHCB5725-5375-7Z11	60	IYCHCB6950-6725-7Z11	67
IYCHCB4525-4750-7Z11	53	IYCHCB6375-6025-7Z11	60	IYCHCB6950-7600-7Z11	67
IYCHCB4925-5650-7Z11	54	IYCHCB6200-6975-7Z11	61	IYCHCB7425-8025-7Z11	68
IYCHCB5150-5500-7Z11	54	IYCHCB6425-7775-7Z11	61	IYCHCB7425-8550-7Z11	68
IYCHCB5450-6300-7Z11	54	IYCHCB6675-7400-7Z11	61	IYCHCB7425-9050-7Z11	68
IYCHCB5450-7575-7Z11	55	IYCHCB6750-8200-7Z11	62	IYCHCB7575-9500-7Z11	69
IYCHCB5450-8375-7Z11	55	IYCHCB6675-8550-7Z11	62	IYCHCB7575-10025-7Z11	69
IYCHCB5050-7875-7Z11	55	IYCHCB7050-9075-7Z11	62	IYCHCB5325-1300-7Z11	69
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IYCHCB5050-8900-7Z11	56	IYCHCB7425-10025-7Z11	63	IYCHCB5900-2500-7Z11	70
IYCHCB5050-9475-7Z11	56	IYCHCB7525-10425-7Z11	63	IYCHCB6200-3275-7Z11	70

CATALOG

BAND PASS		BAND PASS		BAND PASS	
IYCHCB6550-4000-7Z11	71	IYCHCB9300-6250-7Z11	78	IYCHCB8325-1850-7Z11	85
IYCHCB6550-4500-7Z11	71	IYCHCB9300-6775-7Z11	78	IYCHCB8700-2375-7Z11	85
IYCHCB7425-5025-7Z11	71	IYCHCB9300-7425-7Z11	78	IYCHCB8925-2900-7Z11	85
IYCHCB7425-5800-7Z11	72	IYCHCB9300-7900-7Z11	79	IYCHCB9675-3775-7Z11	86
IYCHCB8100-6525-7Z11	72	IYCHCB9475-8250-7Z11	79	IYCHCB9450-4575-7Z11	86
IYCHCB7575-6250-7Z11	72	IYCHCB9475-8700-7Z11	79	IYCHCB9925-4075-7Z11	86
IYCHCB7525-7075-7Z11	73	IYCHCB6825-1450-7Z11	80	IYCHCB9925-4900-7Z11	87
IYCHCB7500-7550-7Z11	73	IYCHCB7200-2225-7Z11	80	IYCHCB9925-5500-7Z11	87
IYCHCB7800-8150-7Z11	73	IYCHCB7725-2675-7Z11	80	IYCHCB11075-6125-7Z11	87
IYCHCB8175-8525-7Z11	74	IYCHCB7650-3375-7Z11	81	IYCHCB11075-6675-7Z11	88
IYCHCB8175-9025-7Z11	74	IYCHCB8025-3850-7Z11	81	IYCHCB11225-7025-7Z11	88
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IYCHCB6125-1150-7Z11	75	IYCHCB8525-5525-7Z11	82	IYCHCB8450-1525-7Z11	89
IYCHCB6575-1800-7Z11	75	IYCHCB9300-5100-7Z11	82	IYCHCB8775-1975-7Z11	89
IYCHCB6775-2500-7Z11	75	IYCHCB9675-5850-7Z11	82	IYCHCB9000-2450-7Z11	89
IYCHCB7025-3150-7Z11	76	IYCHCB9925-6350-7Z11	83	IYCHCB10225-3350-7Z11	90
IYCHCB7025-3775-7Z11	76	IYCHCB9925-6900-7Z11	83	IYCHCB9375-4375-7Z11	90
IYCHCB7400-4275-7Z11	76	IYCHCB9925-7400-7Z11	83	IYCHCB9925-3900-7Z11	90
IYCHCB7700-5125-7Z11	77	IYCHCB9850-8000-7Z11	84	IYCHCB10100-4550-7Z11	91
IYCHCB8125-5975-7Z11	77	IYCHCB9925-8450-7Z11	84	IYCHCB10525-5000-7Z11	91
IYCHCB8925-5500-7Z11	77	IYCHCB7900-1350-7Z11	84	IYCHCB10525-5600-7Z11	91

CATALOG

BAND PASS

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IYCHCB10725-6775-7Z11	92
IYCHCB10700-7250-7Z11	92
IYCHCB9175-1500-7Z11	93
IYCHCB9475-1925-7Z11	93
IYCHCB10225-2775-7Z11	93
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IYCHCB10525-3950-7Z11	94
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IYCHCB11850-5725-7Z11	95
IYCHCB11875-6200-7Z11	96
IYCHCB11875-6750-7Z11	96
IYCHCB9850-1400-7Z11	96
IYCHCB10525-2200-7Z11	97
IYCHCB11500-3075-7Z11	97
IYCHCB10850-2725-7Z11	97
IYCHCB11550-2450-7Z11	98
IYCHCB11075-2225-7Z11	98
IYCHCB11975-2875-7Z11	98

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IYCHCB11975-3250-7Z11	99
IYCHCB12225-3800-7Z11	99
IYCHCB12225-4500-7Z11	99
IYCHCB13350-5075-7Z11	100
IYCHCB13350-5625-7Z11	100
IYCHCB11975-1725-7Z11	100
IYCHCB11625-1650-7Z11	101
IYCHCB12225-2250-7Z11	101
IYCHCB12225-2625-7Z11	101
IYCHCB12975-3250-7Z11	102
IYCHCB13350-3750-7Z11	102
IYCHCB13350-4425-7Z11	102
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IYCHCB12225-2450-7Z11	104
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IYCHCB13350-4125-7Z11	105
IYCHCB14100-4850-7Z11	105
IYCHCB12575-1550-7Z11	105

BAND PASS

[illegible]

IYCHL1530-7Z01

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

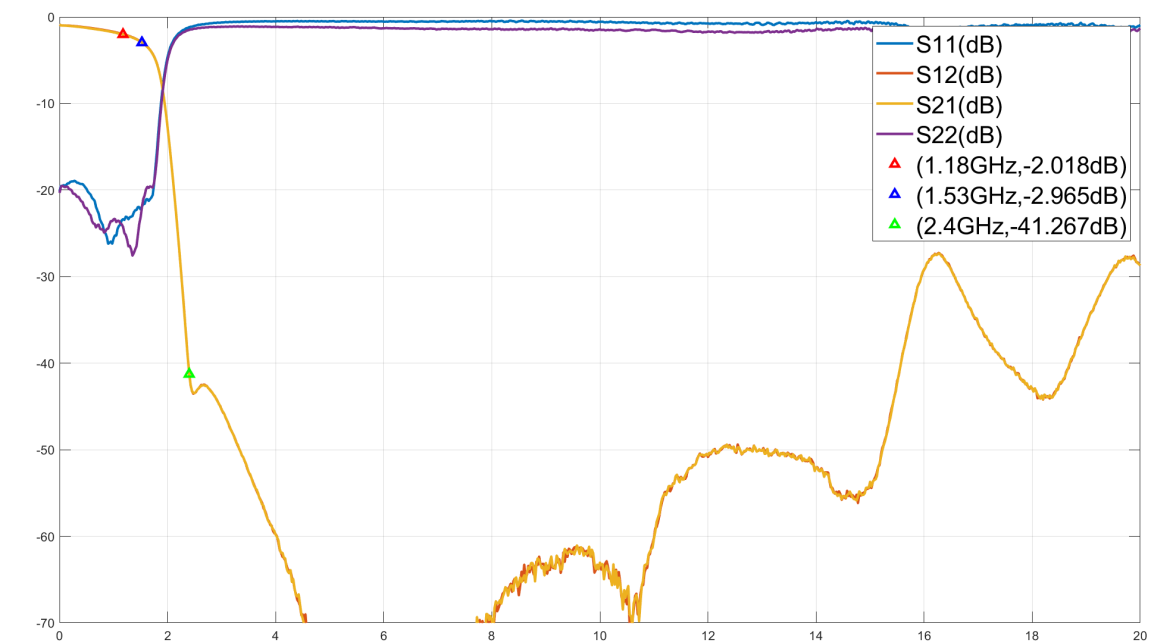
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

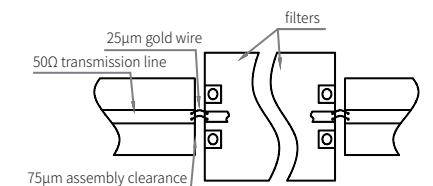
	Min	Typical	Max	Unit
Pass Band	-	DC-1.53	-	GHz
IL	-	-	3	dB
VSWR	-	-	1.3	-
Rejection	>40@2.4GHz-15.58GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHL2450-7Z01

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

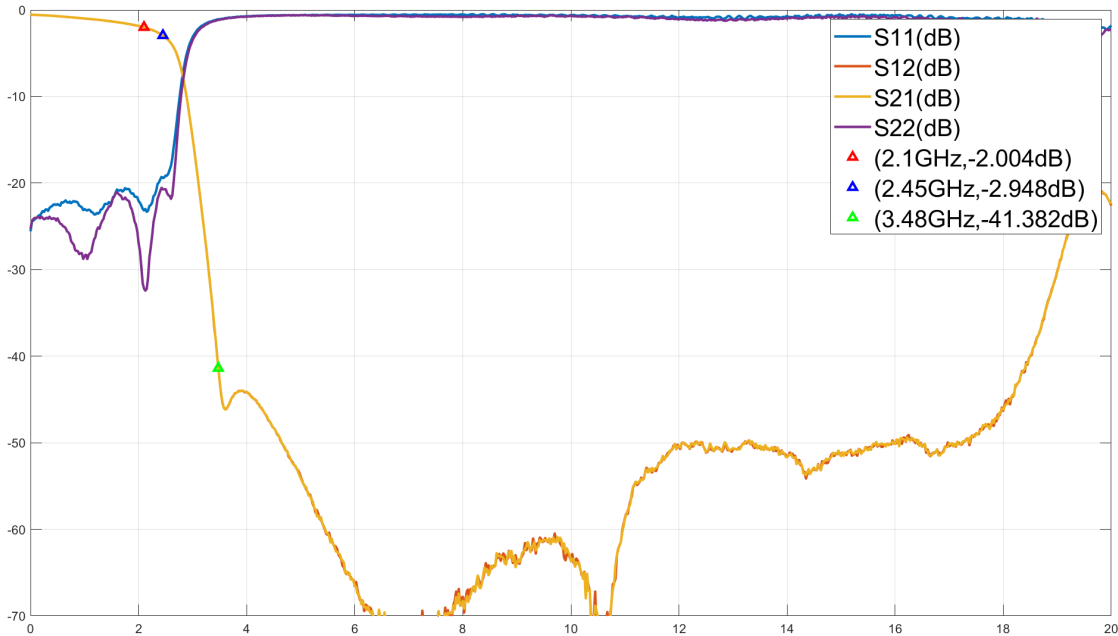
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

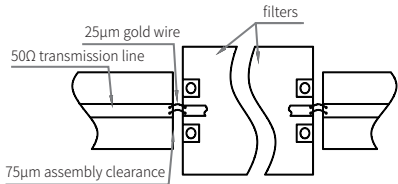
	Min	Typical	Max	Unit
Pass Band	-	DC-2.45	-	GHz
IL	-	-	3	dB
VSWR	-	-	1.3	-
Rejection	>40@3.48GHz-18.5GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHL3150-7Z01

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

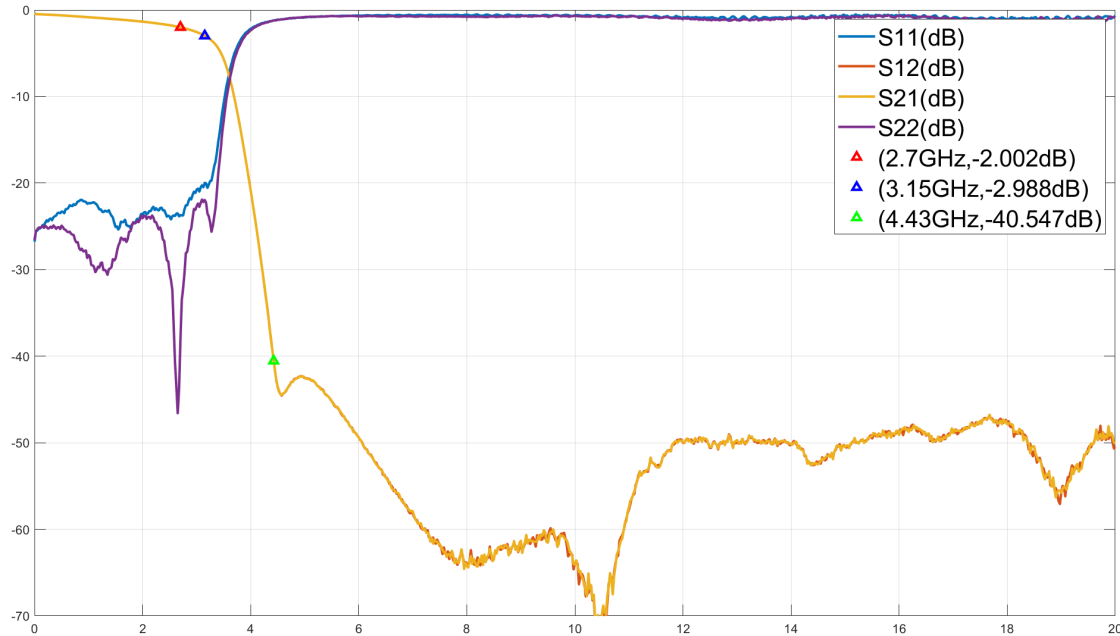
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

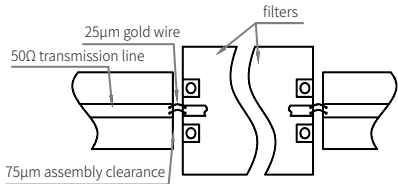
	Min	Typical	Max	Unit
Pass Band	-	DC-3.15	-	GHz
IL	-	-	3	dB
VSWR	-	-	1.3	-
Rejection	>40@4.43GHz-20GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHL4180-7Z01

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

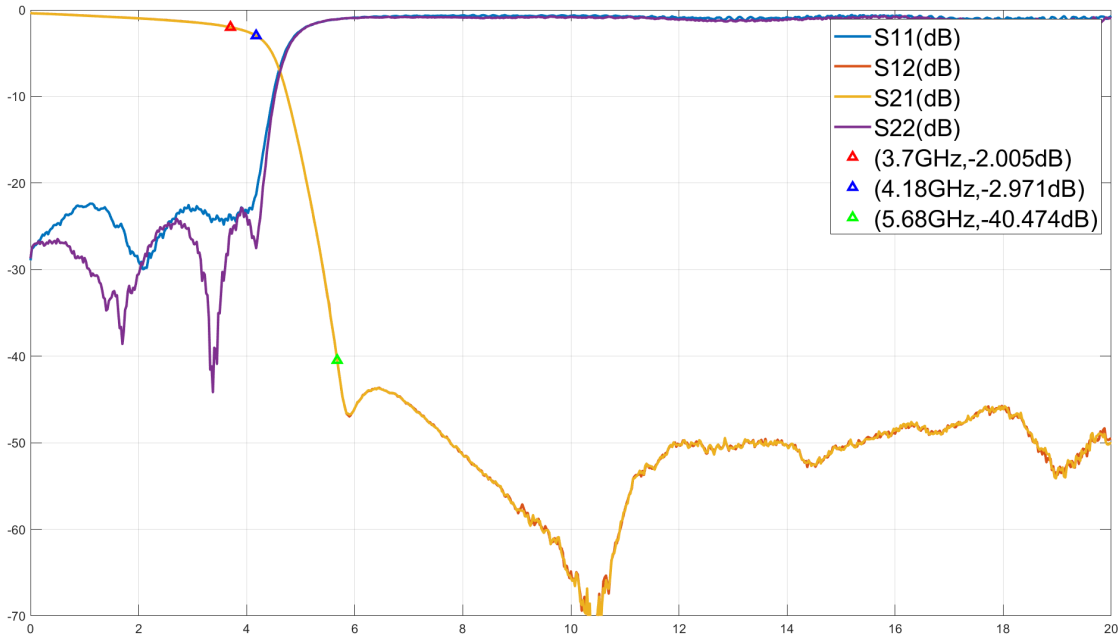
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

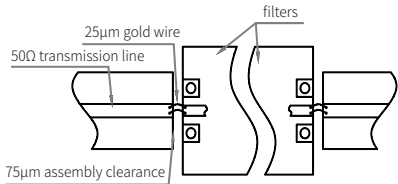
	Min	Typical	Max	Unit
Pass Band	-	DC-4.18	-	GHz
IL	-	-	3	dB
VSWR	-	-	1.2	-
Rejection	>40@5.68GHz-20GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHL5050-7Z01

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

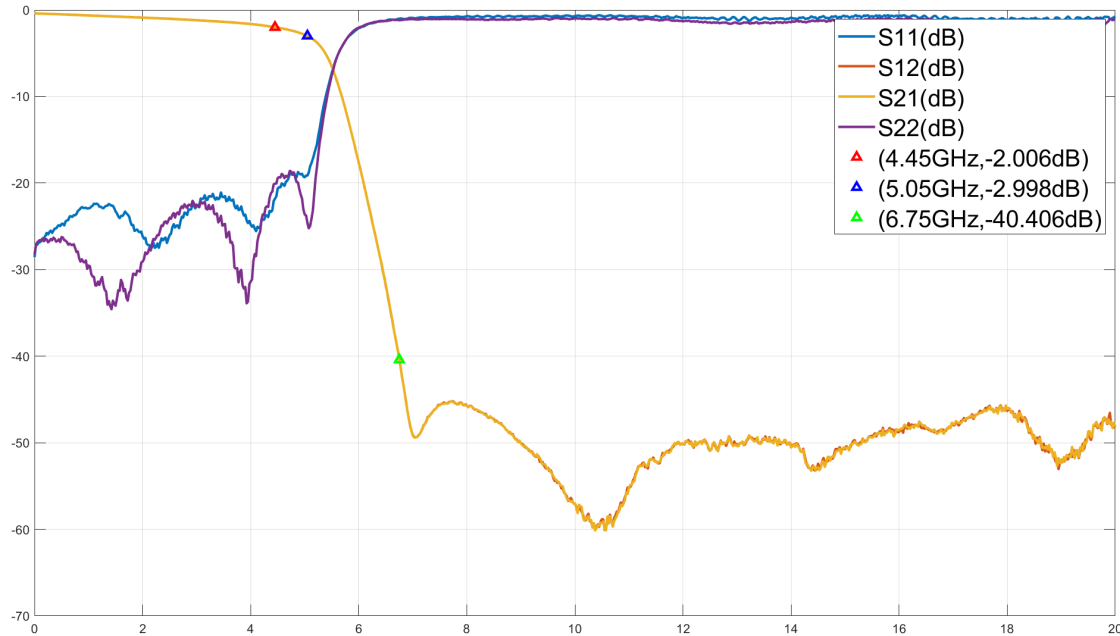
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

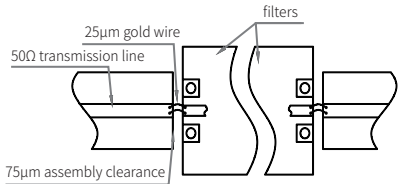
	Min	Typical	Max	Unit
Pass Band	-	DC-5.05	-	GHz
IL	-	-	3	dB
VSWR	-	-	1.3	-
Rejection	>40@6.75GHz-20GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHL5750-7Z01

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

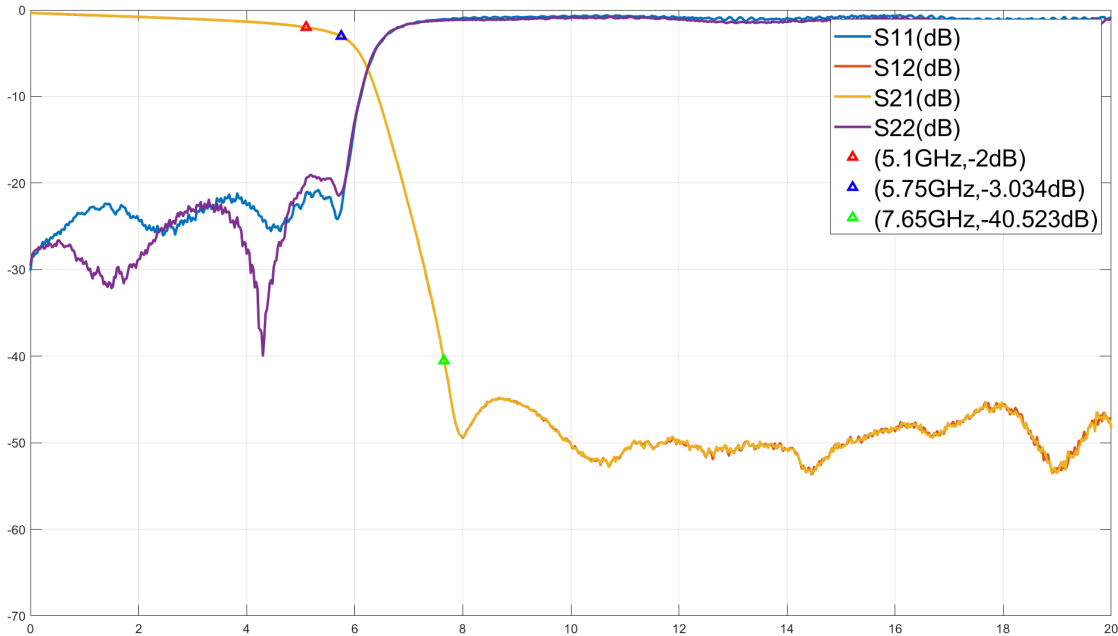
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

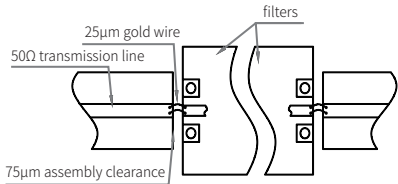
	Min	Typical	Max	Unit
Pass Band	-	DC-5.75	-	GHz
IL	-	-	3	dB
VSWR	-	-	1.3	-
Rejection	>40@7.65GHz-20GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHL6500-7Z01

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

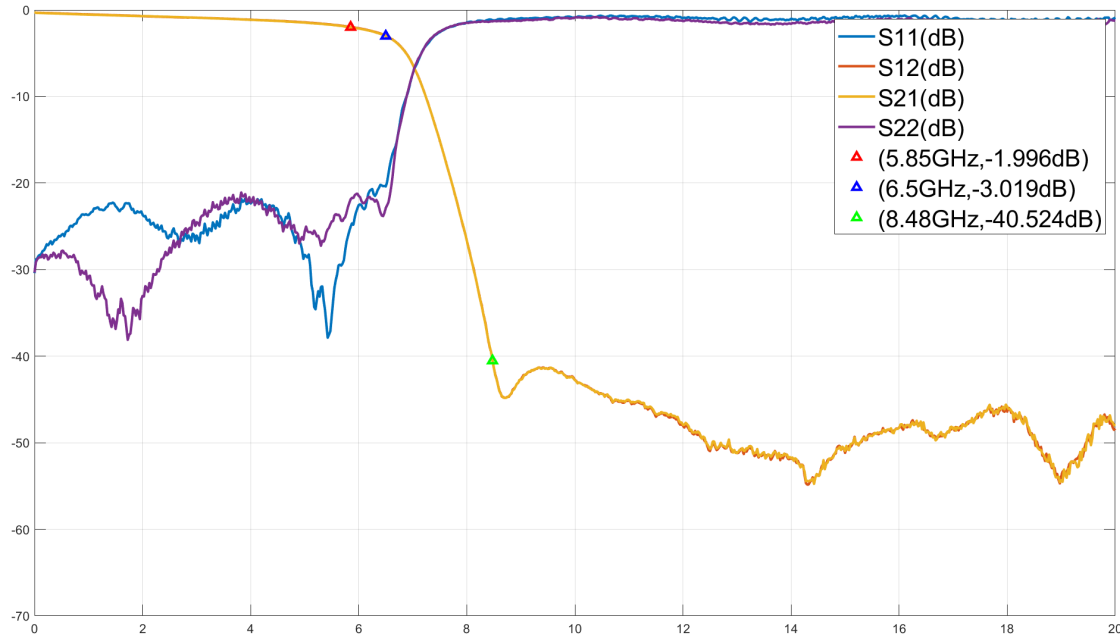
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

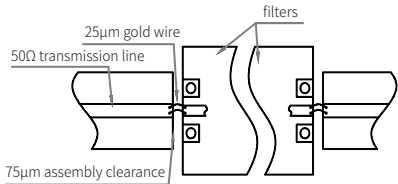
	Min	Typical	Max	Unit
Pass Band	-	DC-6.5	-	GHz
IL	-	-	3	dB
VSWR	-	-	1.3	-
Rejection	>40@8.48GHz-20GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHL7230-7Z01

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

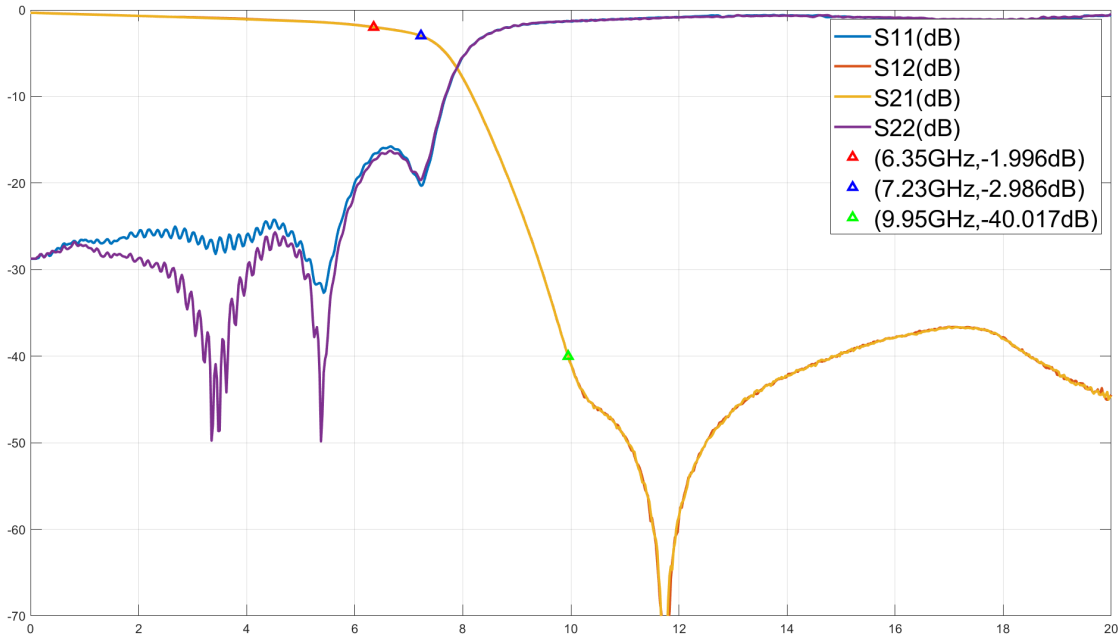
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

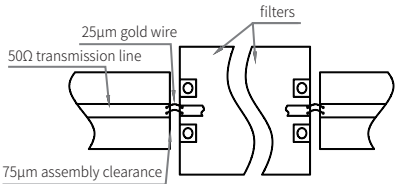
	Min	Typical	Max	Unit
Pass Band	-	DC-7.23	-	GHz
IL	-	-	3	dB
VSWR	-	-	1.4	-
Rejection	>40@9.95GHz-14.83GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHL8200-7Z01

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

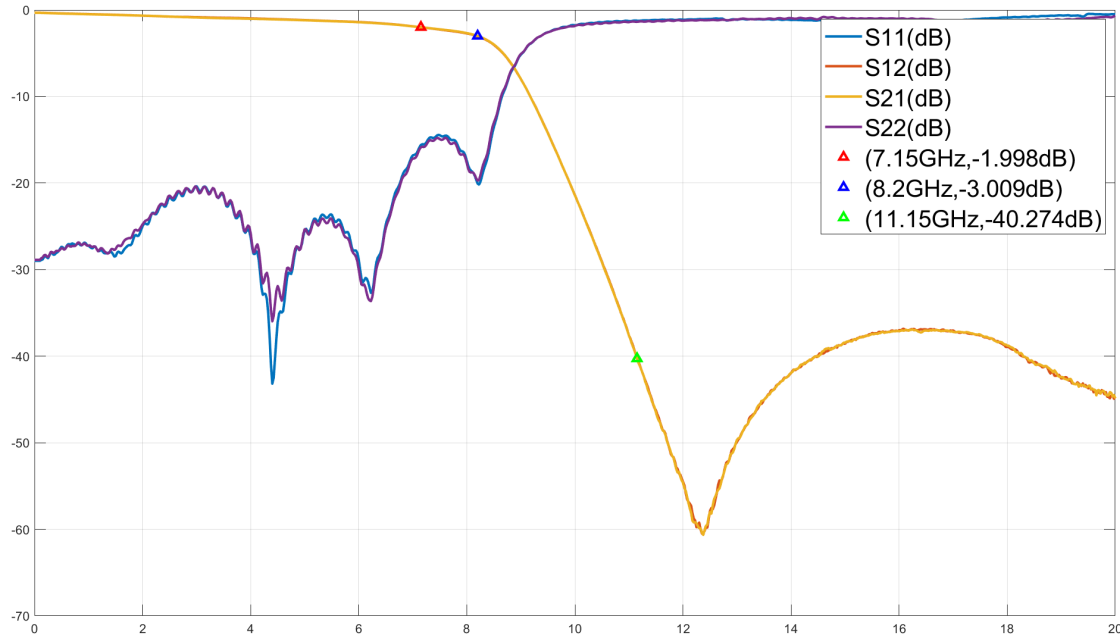
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

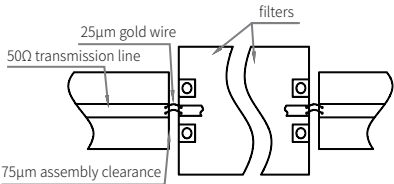
	Min	Typical	Max	Unit
Pass Band	-	DC-8.2	-	GHz
IL	-	-	3	dB
VSWR	-	-	1.5	-
Rejection	>40@11.15GHz-14.48GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHL8980-7Z01

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

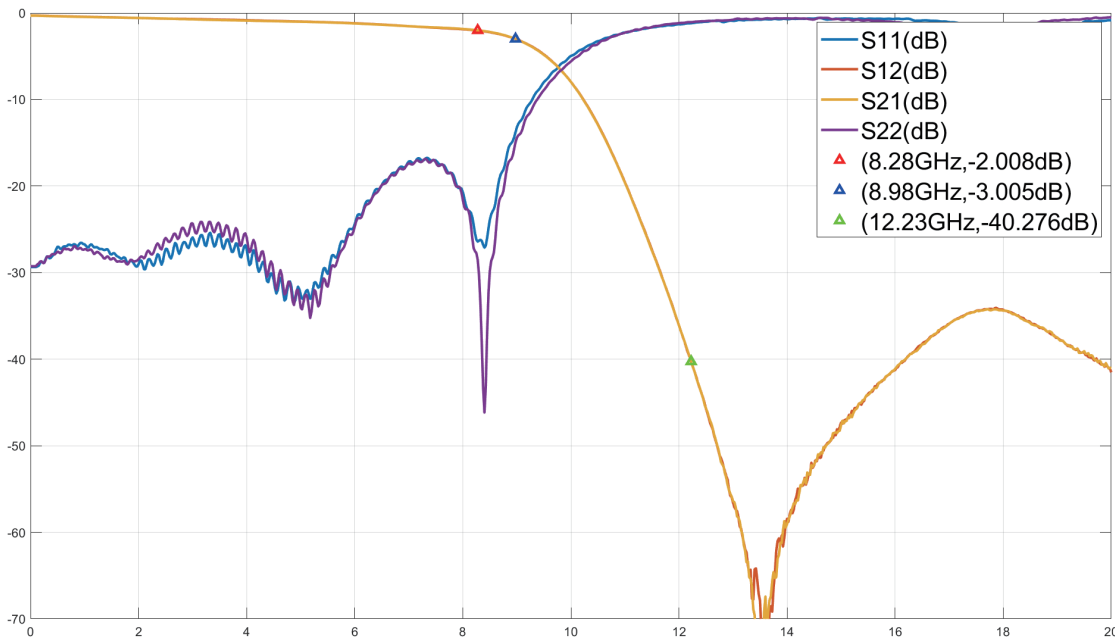
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

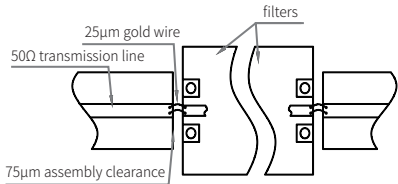
	Min	Typical	Max	Unit
Pass Band	-	DC-8.98	-	GHz
IL	-	-	3	dB
VSWR	-	-	1.6	-
Rejection	>40@12.23GHz-16.2GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHL9600-7Z01

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

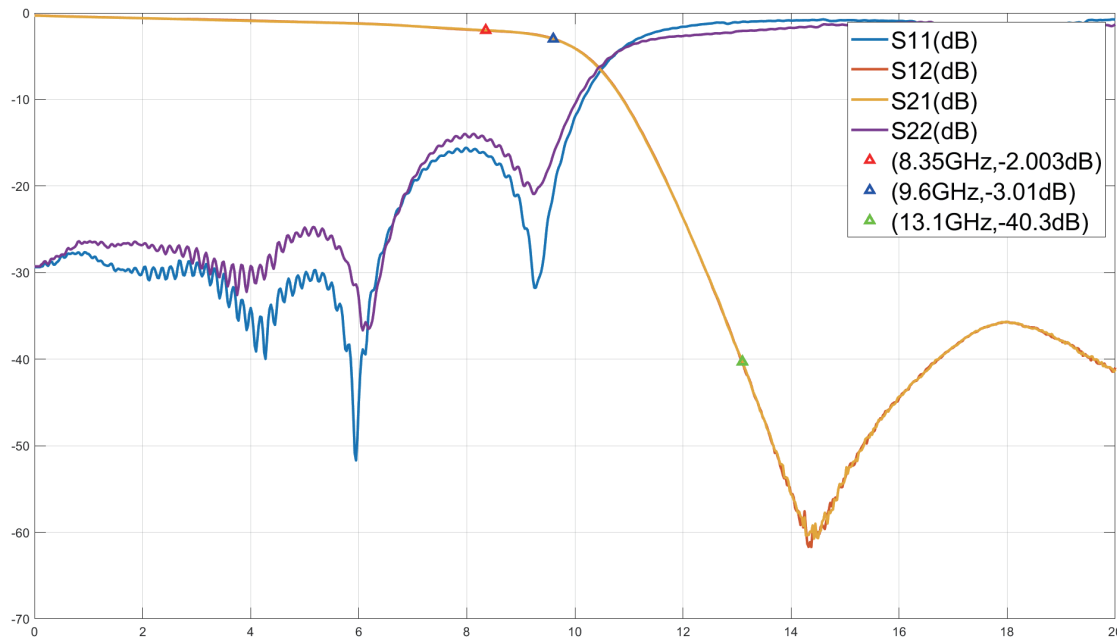
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

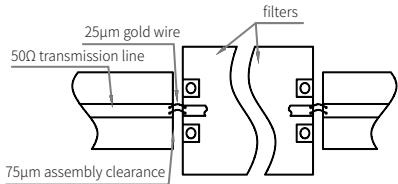
	Min	Typical	Max	Unit
Pass Band	-	DC-9.6	-	GHz
IL	-	-	3	dB
VSWR	-	-	1.4	-
Rejection	>40@13.1GHz-16.75GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHL10350-7Z01

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

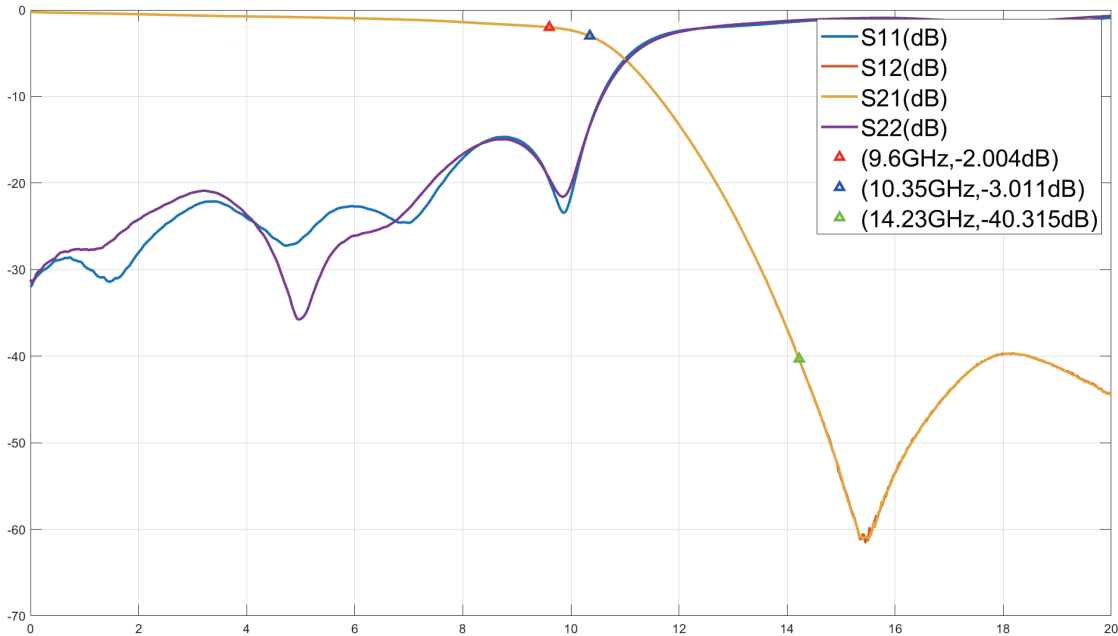
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

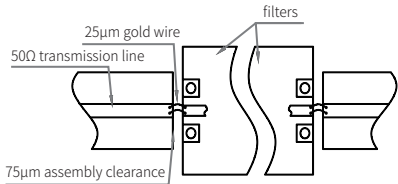
	Min	Typical	Max	Unit
Pass Band	-	DC-10.35	-	GHz
IL	-	-	3	dB
VSWR	-	-	1.6	-
Rejection	>40@14.23GHz-17.83GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHL11400-7Z01

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

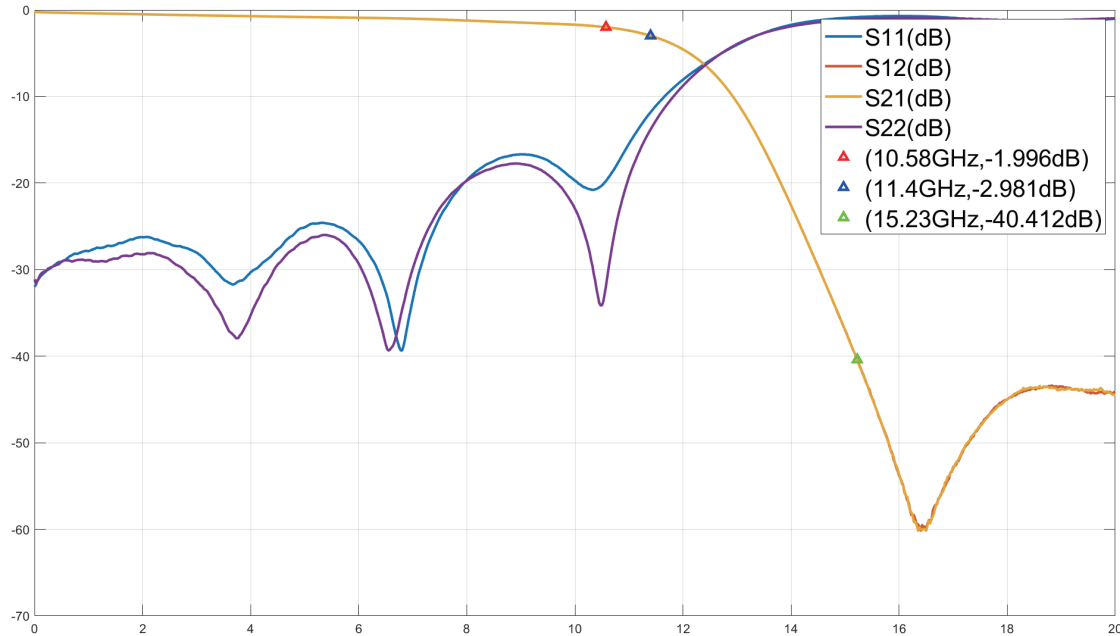
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

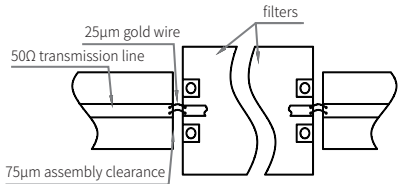
	Min	Typical	Max	Unit
Pass Band	-	DC-11.4	-	GHz
IL	-	-	3	dB
VSWR	-	-	1.7	-
Rejection	>40@15.23GHz-20GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHL12400-7Z01

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

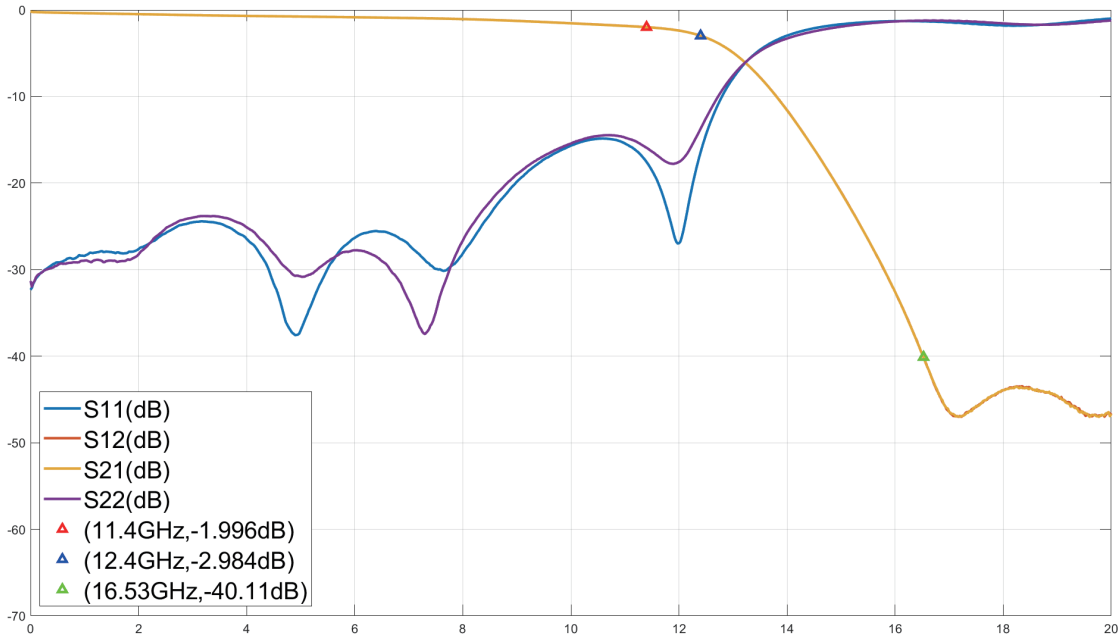
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

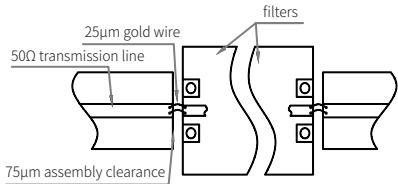
	Min	Typical	Max	Unit
Pass Band	-	DC-12.4	-	GHz
IL	-	-	3	dB
VSWR	-	-	1.5	-
Rejection	>40@16.53GHz-20GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHL11980-7Z01

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

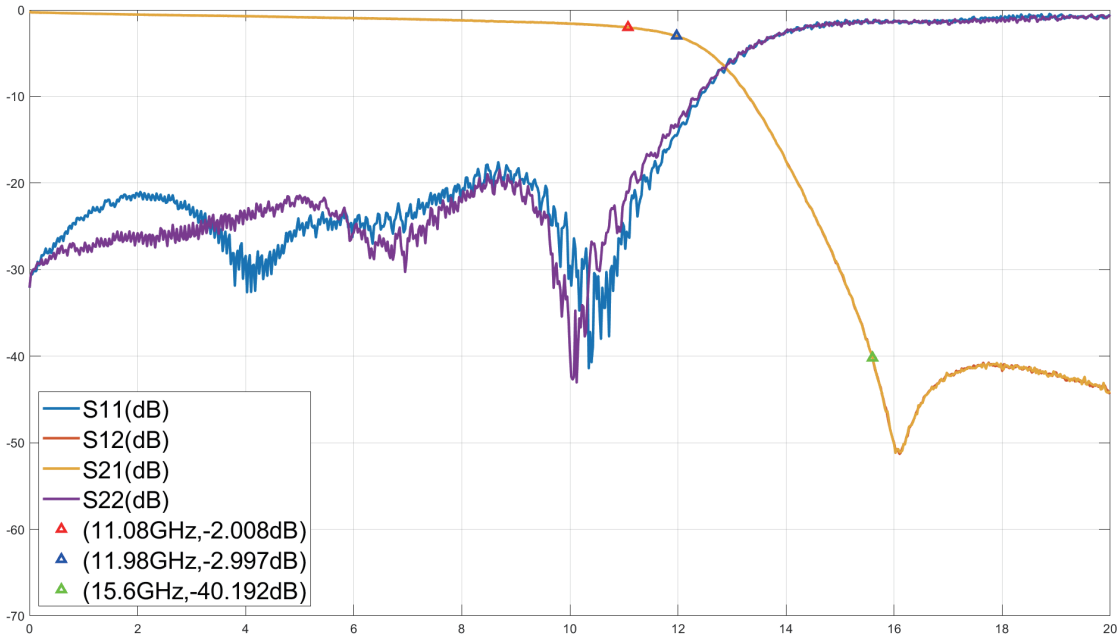
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

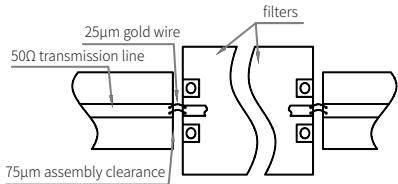
	Min	Typical	Max	Unit
Pass Band	-	DC-11.98	-	GHz
IL	-	-	3	dB
VSWR	-	-	1.5	-
Rejection	>40@15.6GHz-20GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHL12750-7Z01

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

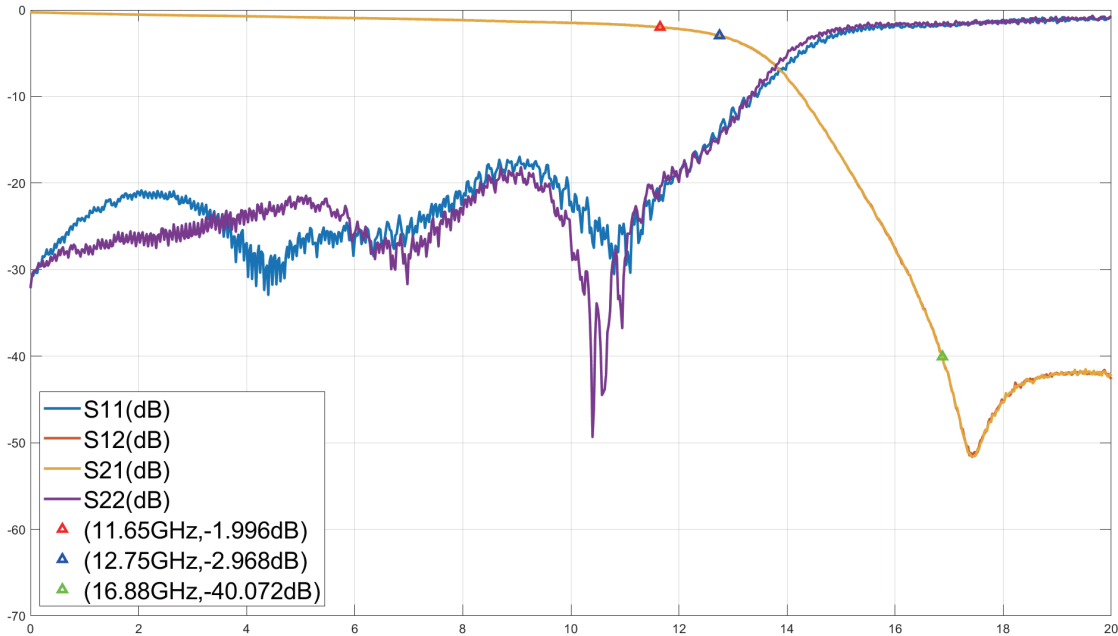
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

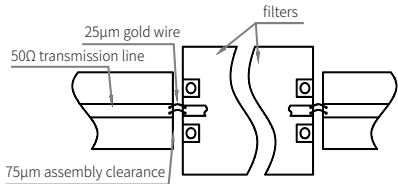
	Min	Typical	Max	Unit
Pass Band	-	DC-12.75	-	GHz
IL	-	-	3	dB
VSWR	-	-	1.5	-
Rejection	>40@16.88GHz-20GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHL13400-7Z01

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

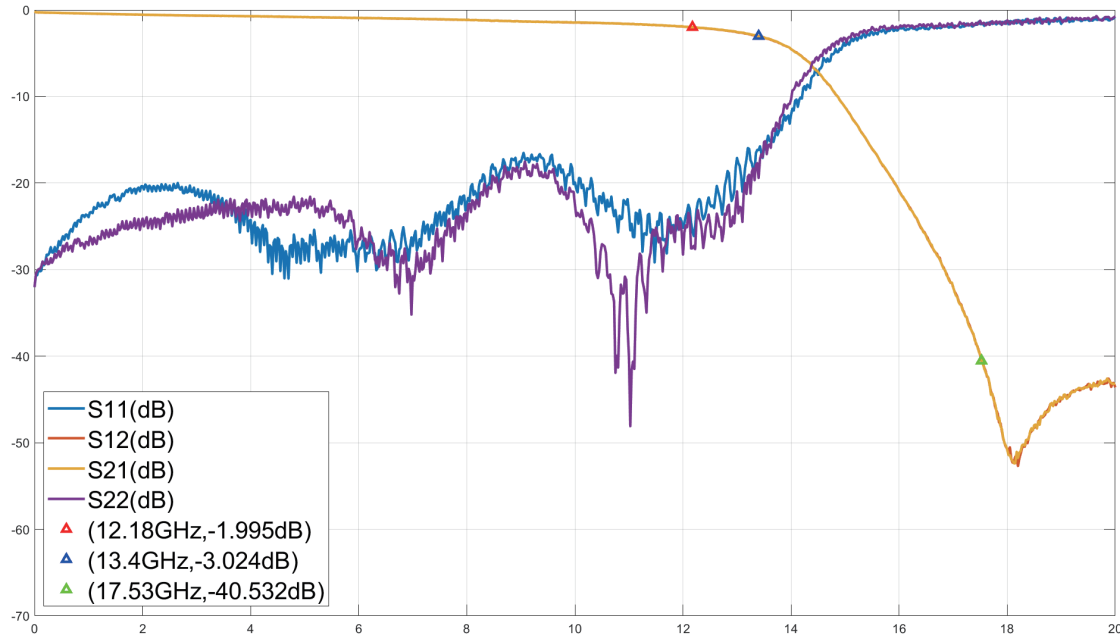
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

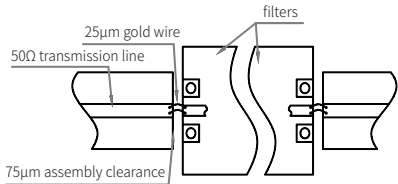
	Min	Typical	Max	Unit
Pass Band	-	DC-13.4	-	GHz
IL	-	-	3	dB
VSWR	-	-	1.4	-
Rejection	>40@17.53GHz-20GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHL14150-7Z01

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

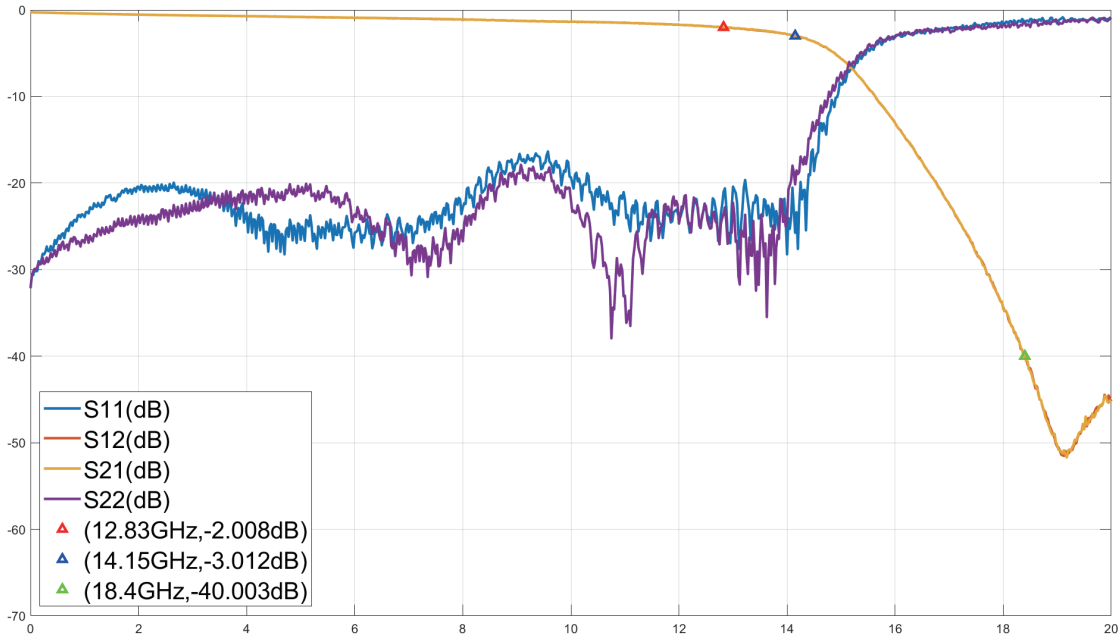
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

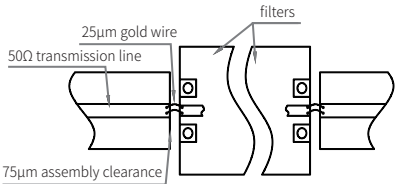
	Min	Typical	Max	Unit
Pass Band	-	DC-14.15	-	GHz
IL	-	-	3	dB
VSWR	-	-	1.4	-
Rejection	>40@18.4GHz-20GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHL14830-7Z01

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

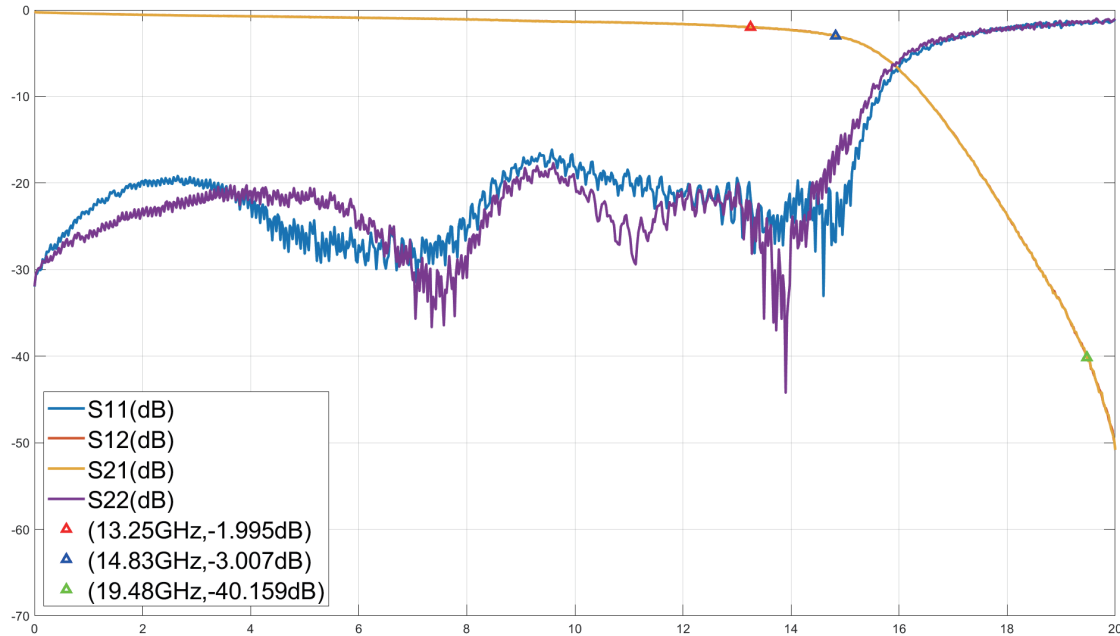
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

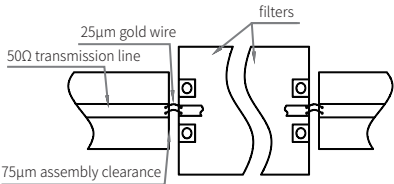
	Min	Typical	Max	Unit
Pass Band	-	DC-14.83	-	GHz
IL	-	-	3	dB
VSWR	-	-	1.4	-
Rejection	>40@19.48GHz-20GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHL15480-7Z01

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

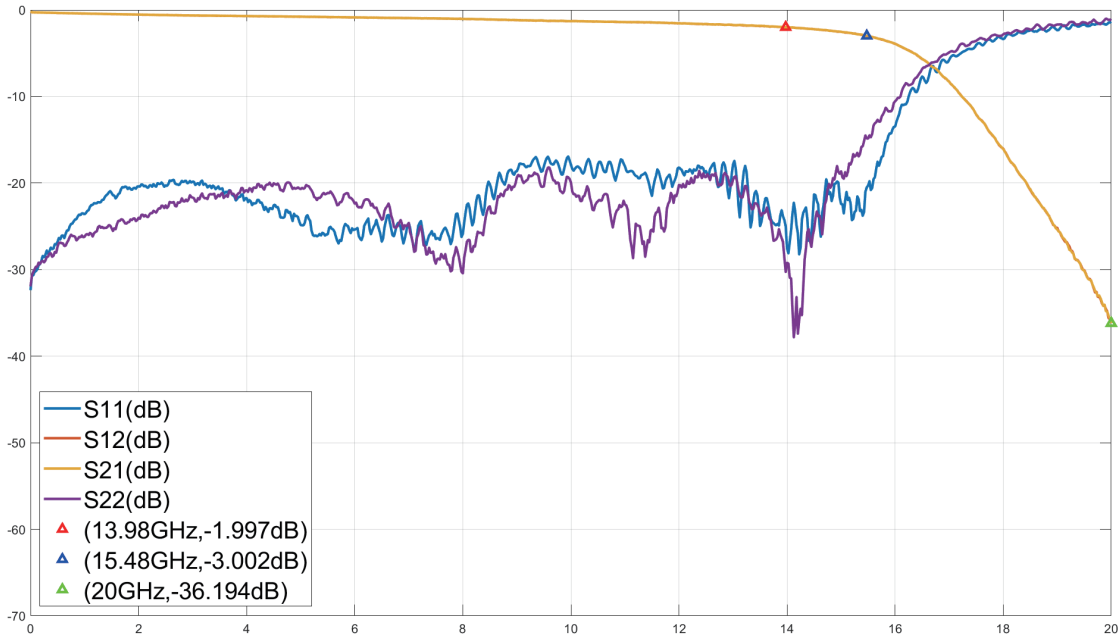
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

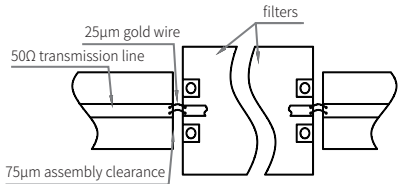
	Min	Typical	Max	Unit
Pass Band	-	DC-15.48	-	GHz
IL	-	-	3	dB
VSWR	-	-	1.4	-
Rejection	>30@20GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHL16200-7Z01

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

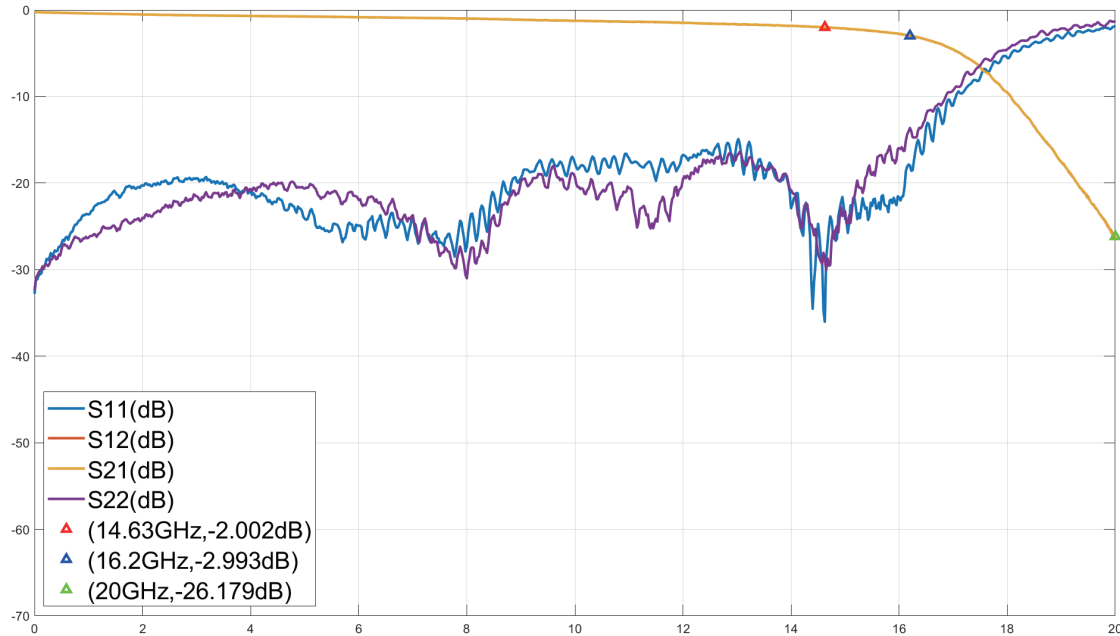
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

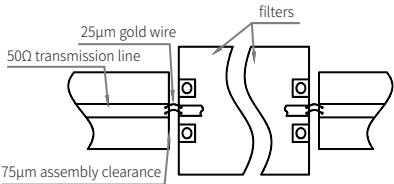
	Min	Typical	Max	Unit
Pass Band	-	DC-16.2	-	GHz
IL	-	-	3	dB
VSWR	-	-	1.5	-
Rejection	>20@20GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHH1080-7Z10

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

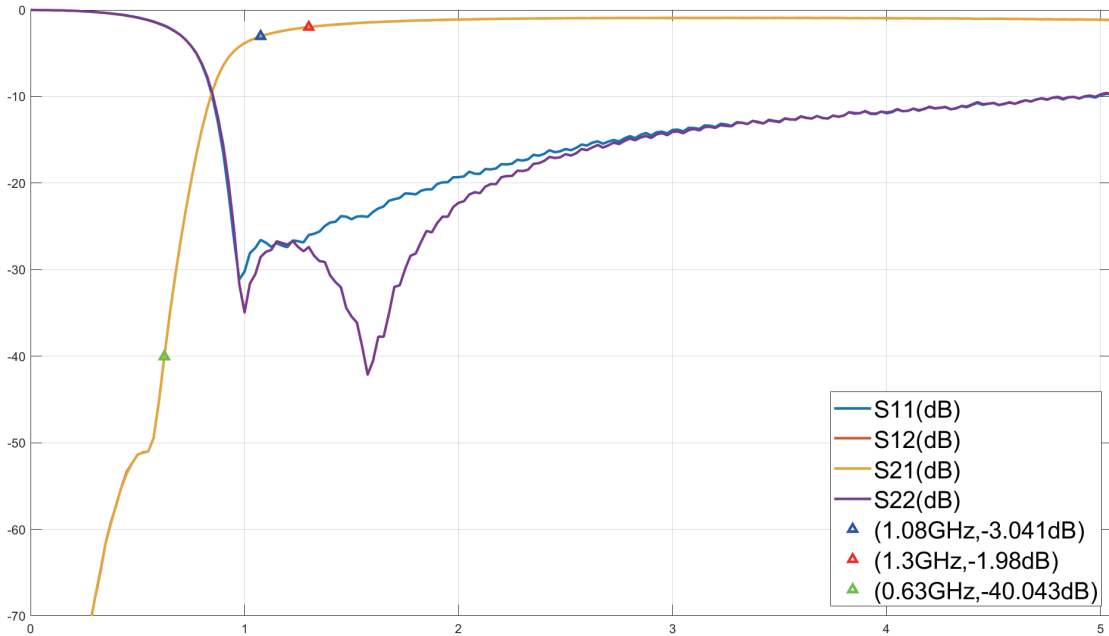
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

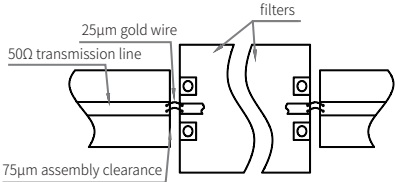
	Min	Typical	Max	Unit
Pass Band	-	1.08-5.05	-	GHz
IL	-	-	3	dB
VSWR	-	-	2	-
Rejection	>40@DC-0.63GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHH1780-7Z10

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

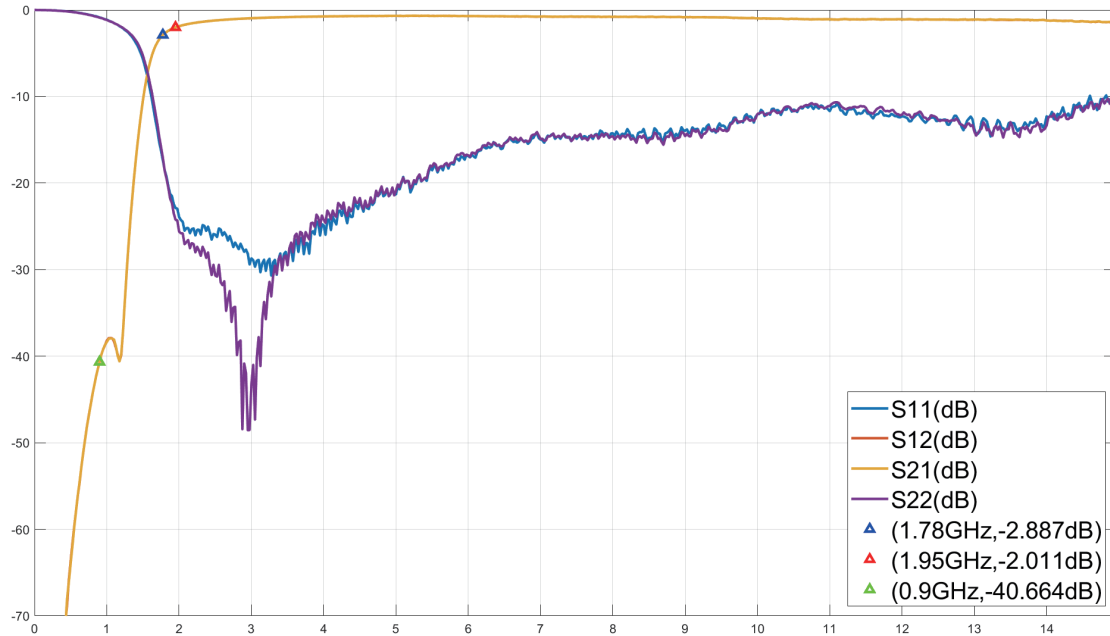
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

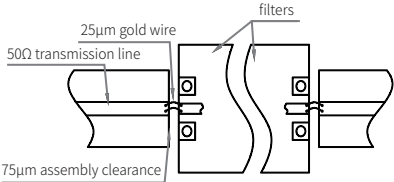
	Min	Typical	Max	Unit
Pass Band	-	1.78-14.95	-	GHz
IL	-	-	3	dB
VSWR	-	-	2	-
Rejection	>40@DC-0.9GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHH2500-7Z10

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

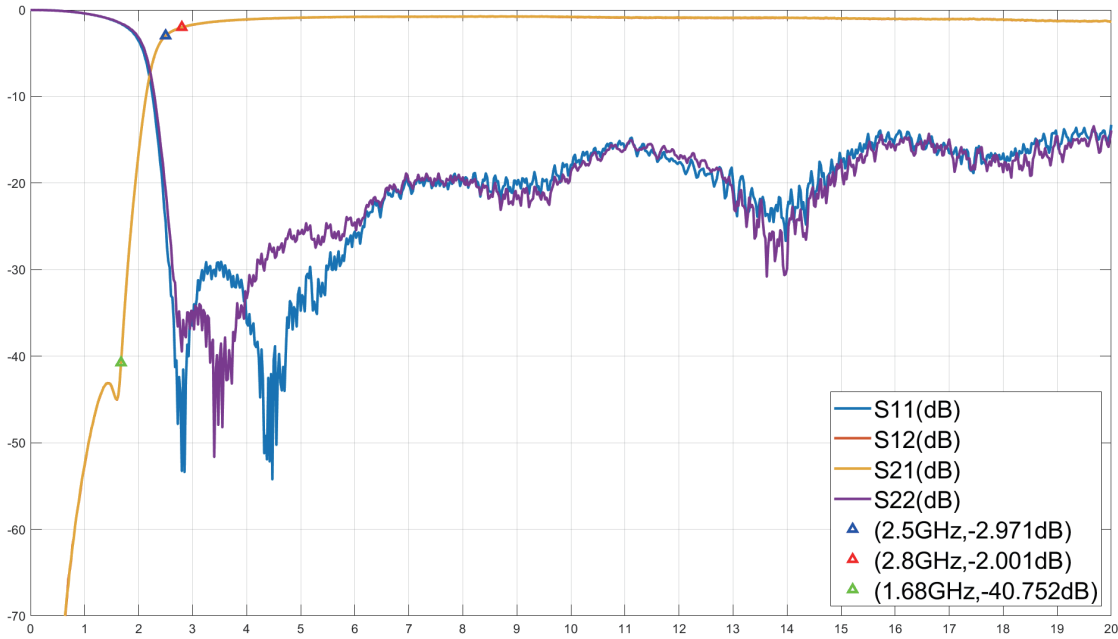
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

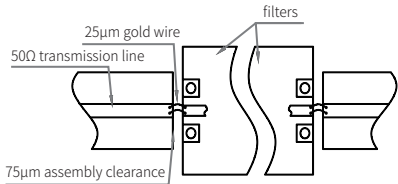
	Min	Typical	Max	Unit
Pass Band	-	2.5-20	-	GHz
IL	-	-	3	dB
VSWR	-	-	2	-
Rejection	>40@DC-1.68GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHH3300-7Z10

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

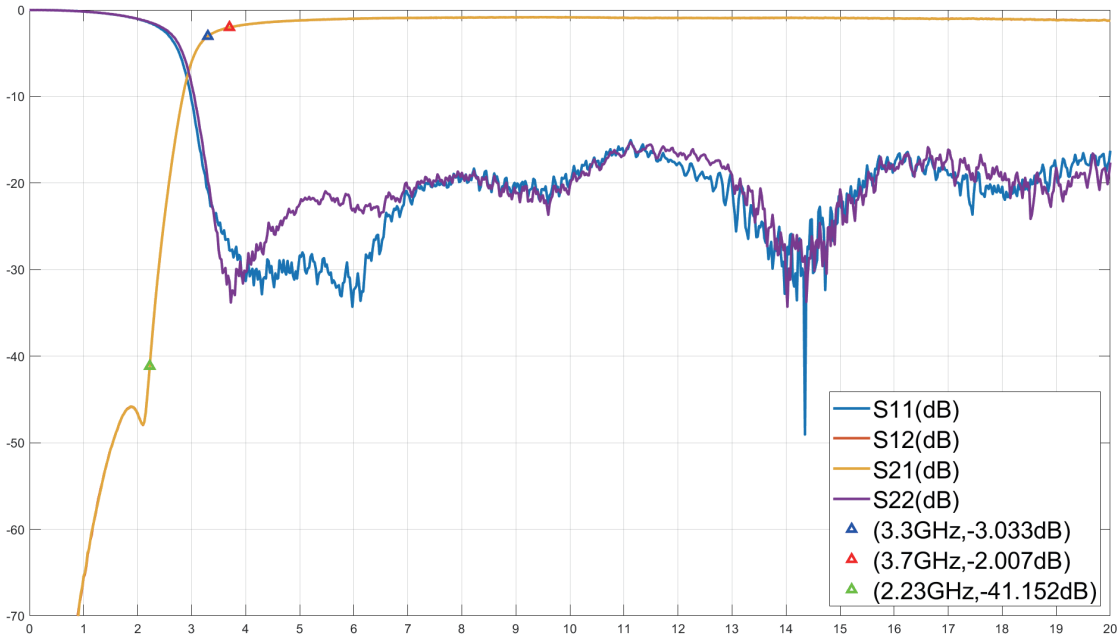
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

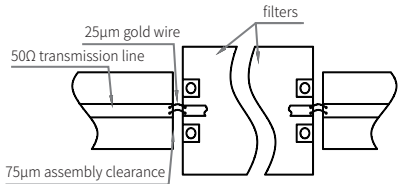
	Min	Typical	Max	Unit
Pass Band	-	3.3-20	-	GHz
IL	-	-	3	dB
VSWR	-	-	2	-
Rejection	>40@DC-2.23GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHH4130-7Z10

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

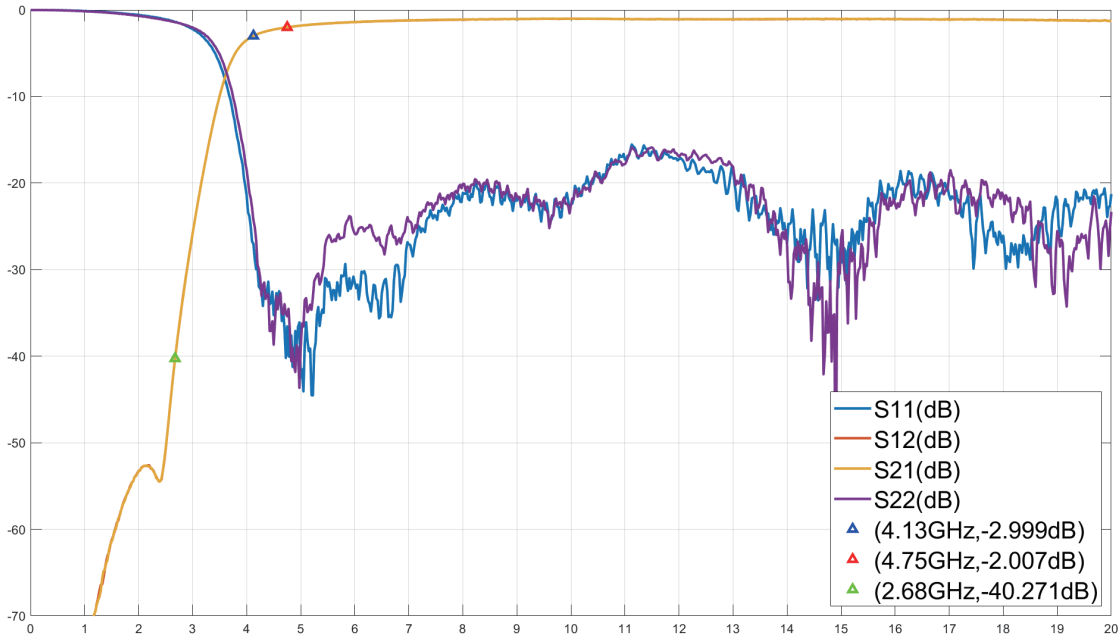
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

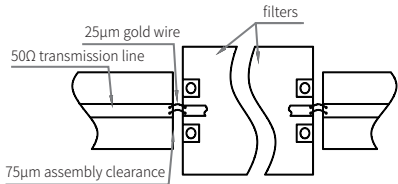
	Min	Typical	Max	Unit
Pass Band	-	4.13-20	-	GHz
IL	-	-	3	dB
VSWR	-	-	2	-
Rejection	>40@DC-2.68GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHH4830-7Z10

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

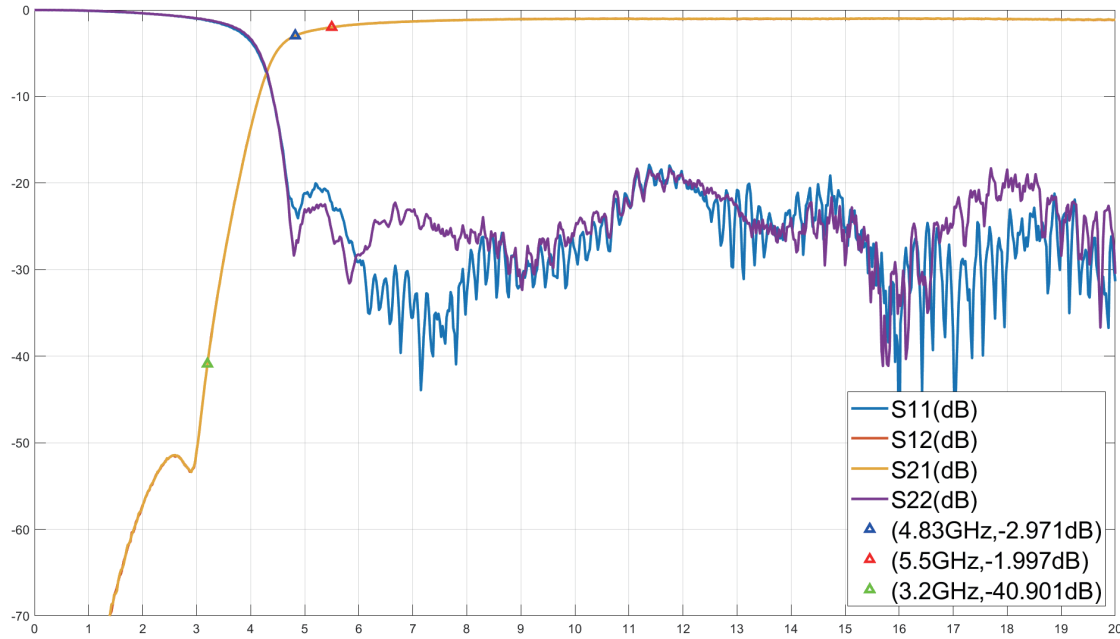
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

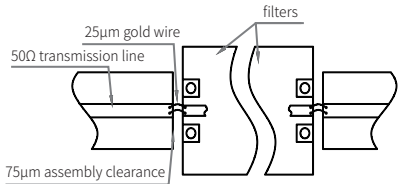
	Min	Typical	Max	Unit
Pass Band	-	4.83-20	-	GHz
IL	-	-	3	dB
VSWR	-	-	1.4	-
Rejection	>40@DC-3.2GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHH5780-7Z10

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

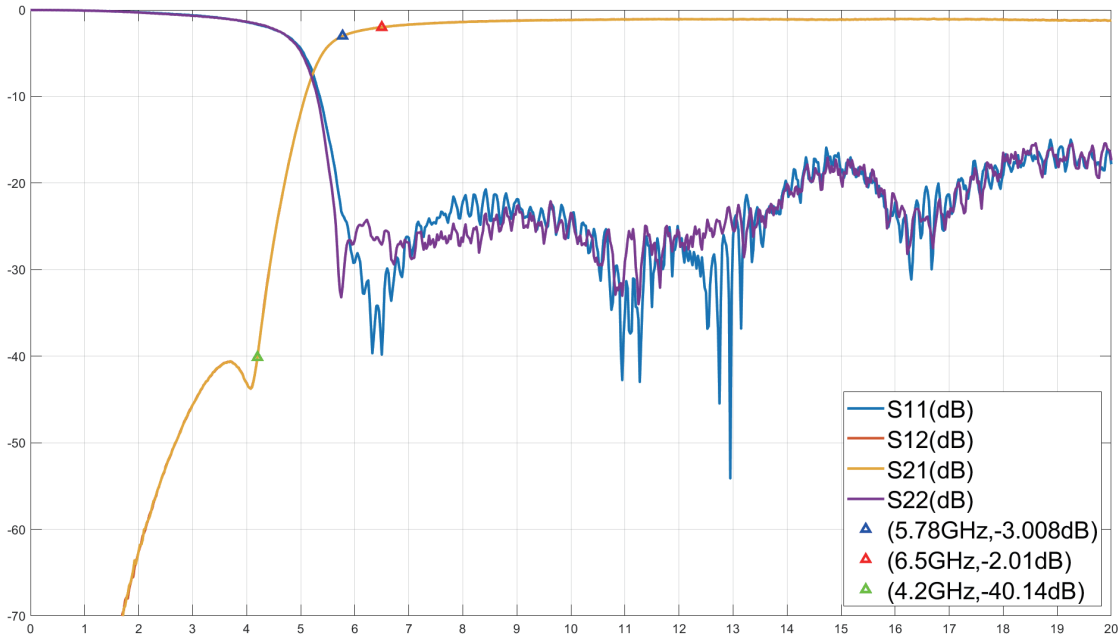
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

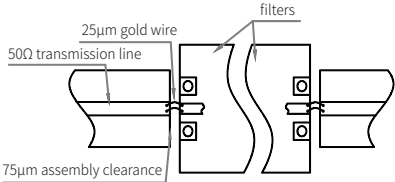
	Min	Typical	Max	Unit
Pass Band	-	5.78-20	-	GHz
IL	-	-	3	dB
VSWR	-	-	2	-
Rejection	>40@DC-4.2GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHH6400-7Z10

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

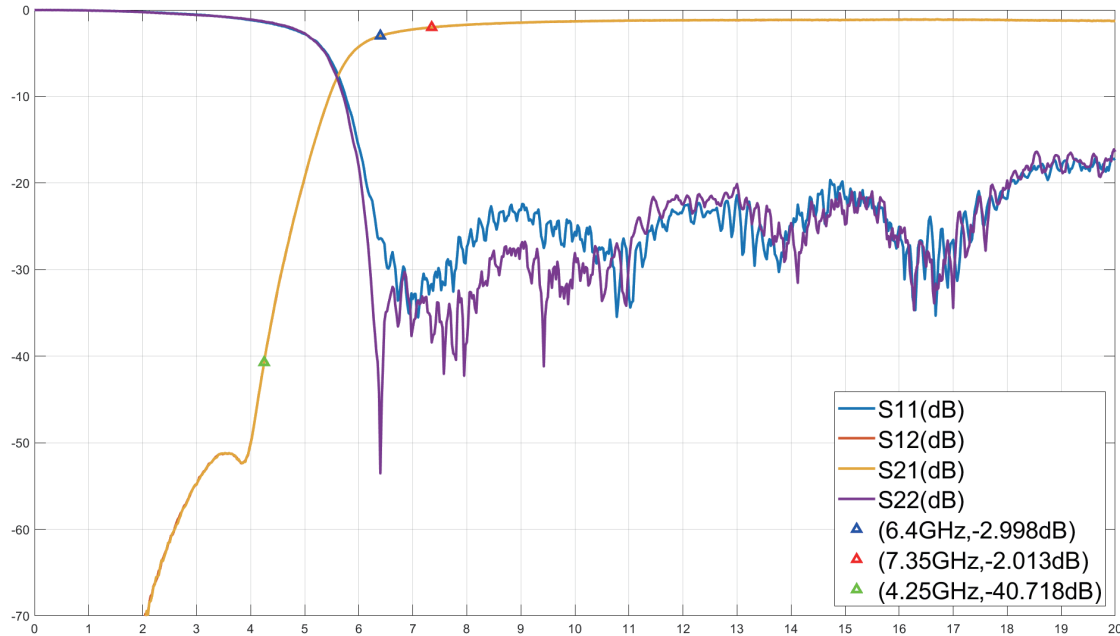
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

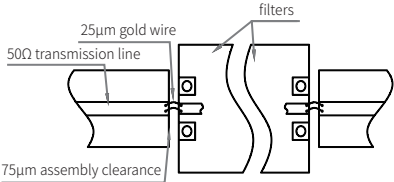
	Min	Typical	Max	Unit
Pass Band	-	6.4-20	-	GHz
IL	-	-	3	dB
VSWR	-	-	2	-
Rejection	>40@DC-4.25GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHH7550-7Z10

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

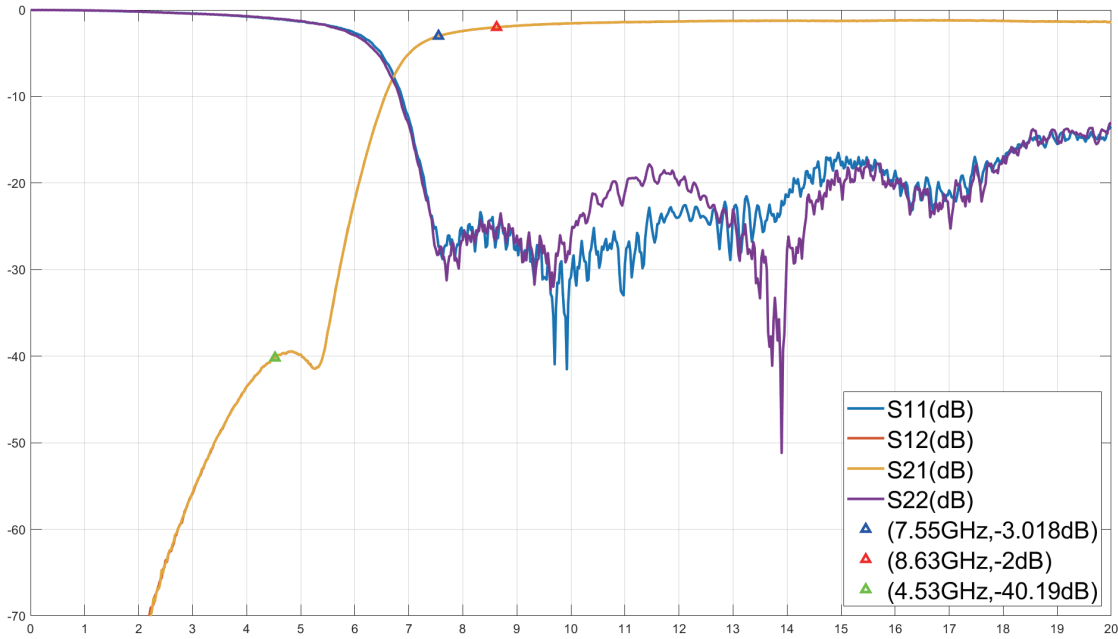
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

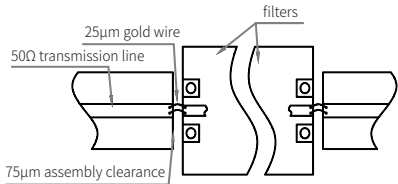
	Min	Typical	Max	Unit
Pass Band	-	7.55-20	-	GHz
IL	-	-	3	dB
VSWR	-	-	2	-
Rejection	>40@DC-4.53GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHH8130-7Z10

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

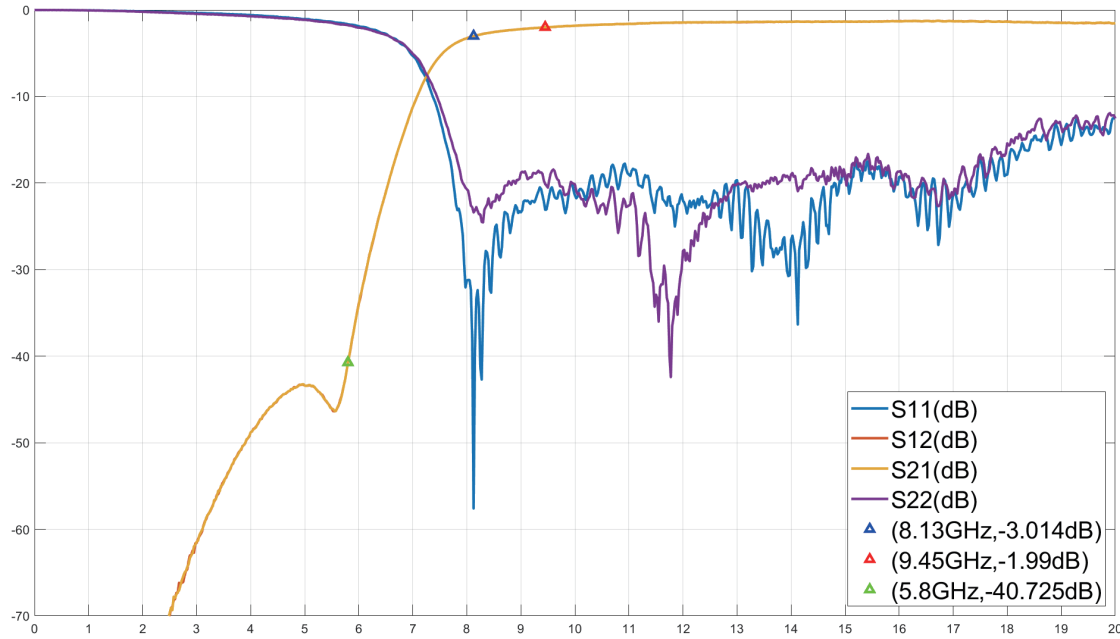
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

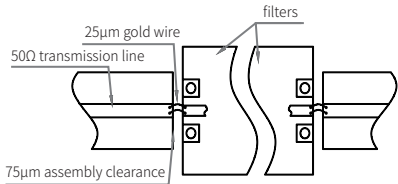
	Min	Typical	Max	Unit
Pass Band	-	8.13-20	-	GHz
IL	-	-	3	dB
VSWR	-	-	2	-
Rejection	>40@DC-5.8GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHH8830-7Z10

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

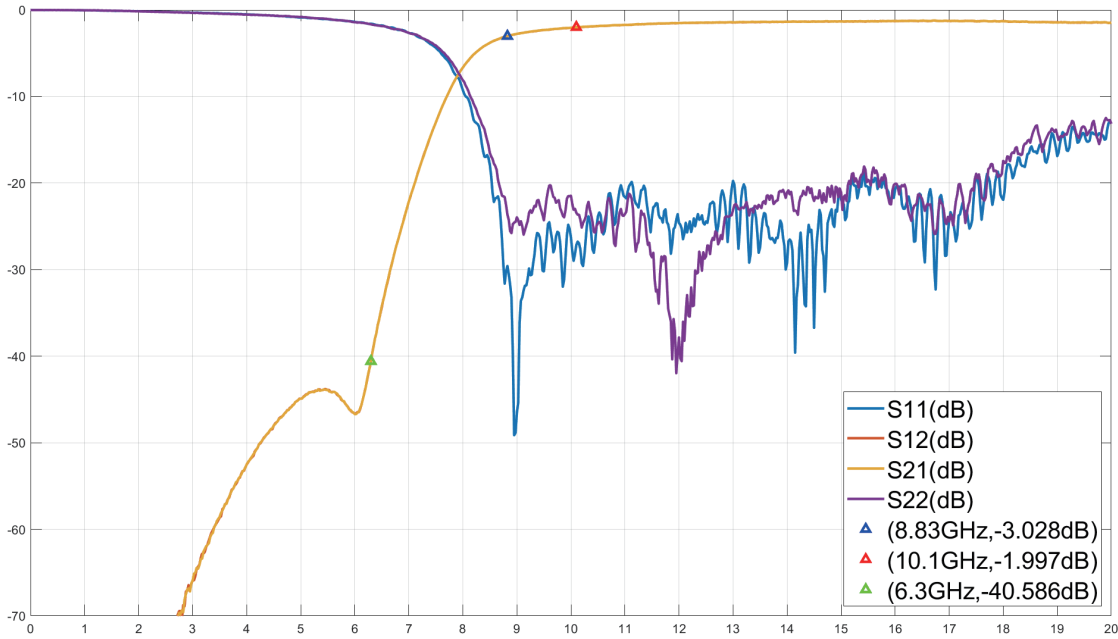
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

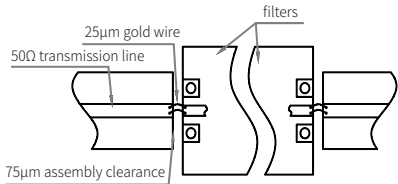
	Min	Typical	Max	Unit
Pass Band	-	8.83-20	-	GHz
IL	-	-	3	dB
VSWR	-	-	2	-
Rejection	>40@DC-6.3GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHH9680-7Z10

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

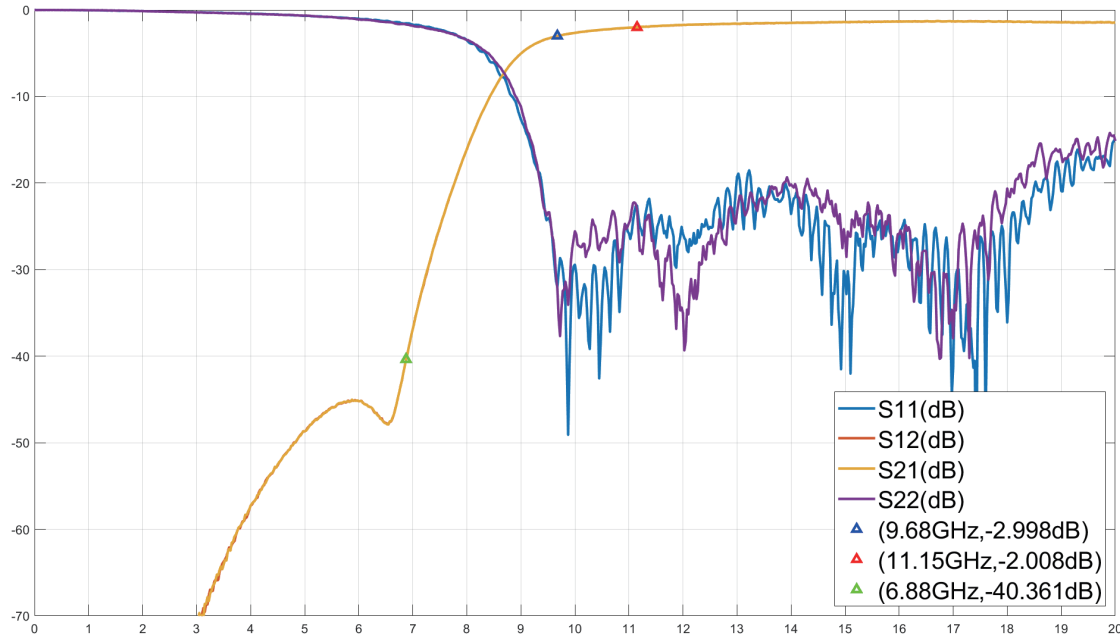
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

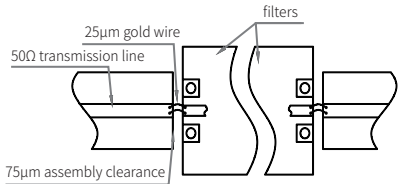
	Min	Typical	Max	Unit
Pass Band	-	9.68-20	-	GHz
IL	-	-	3	dB
VSWR	-	-	2	-
Rejection	>40@DC-6.88GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHH10580-7Z10

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

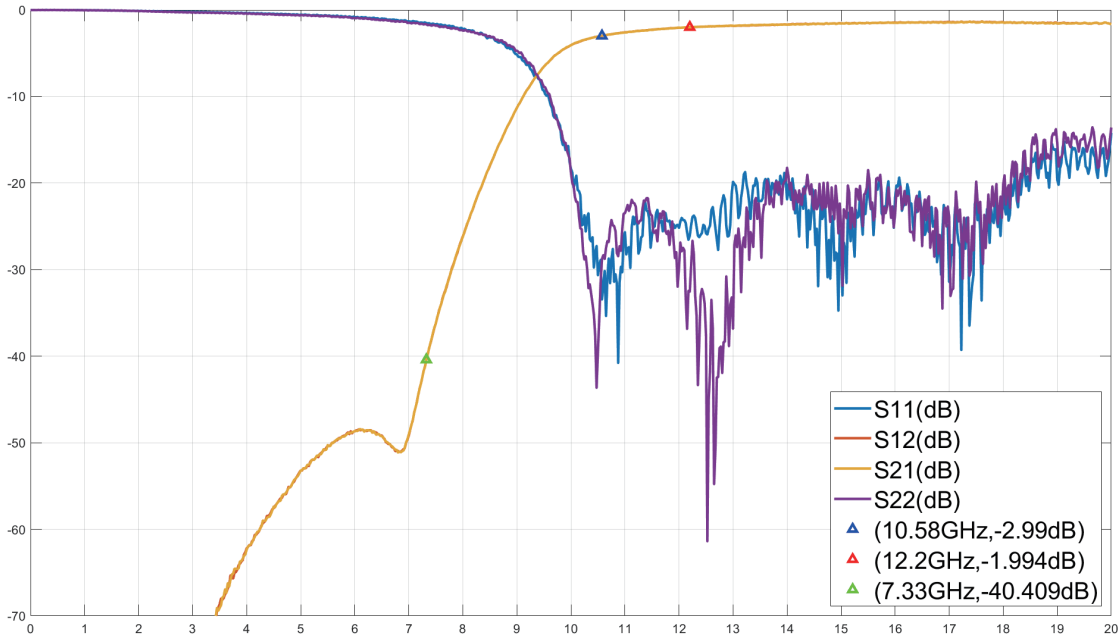
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

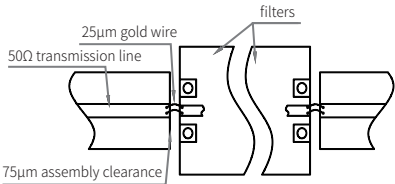
	Min	Typical	Max	Unit
Pass Band	-	10.58-20	-	GHz
IL	-	-	3	dB
VSWR	-	-	2	-
Rejection	>40@DC-7.33GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHH11530-7Z10

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

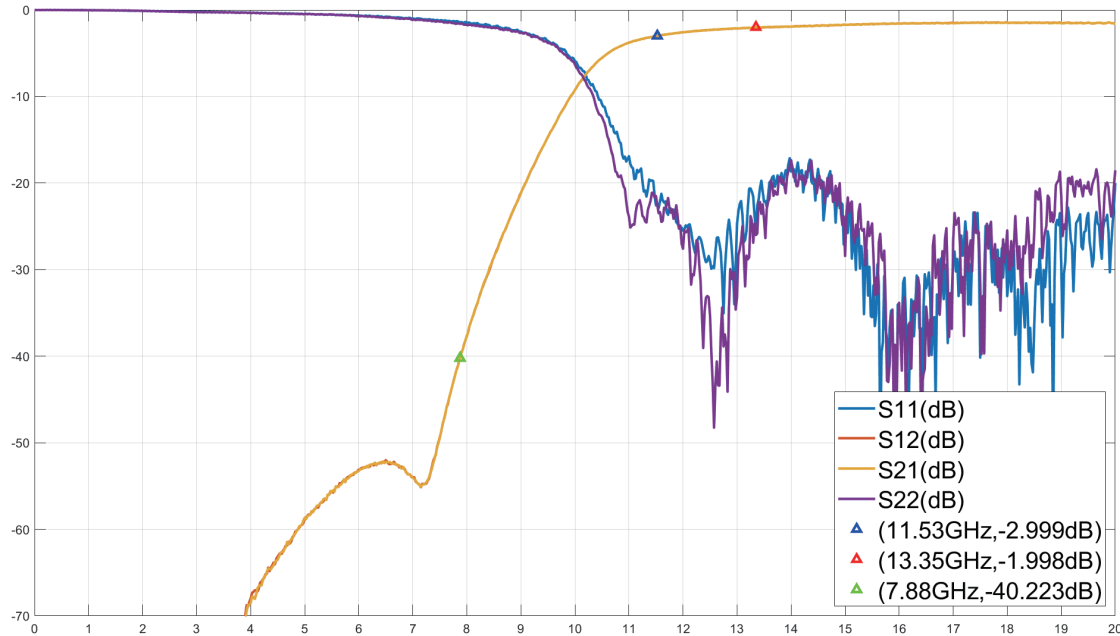
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

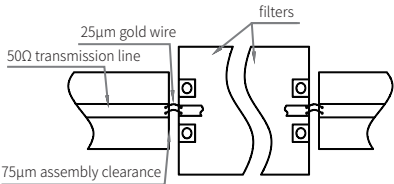
	Min	Typical	Max	Unit
Pass Band	-	11.53-20	-	GHz
IL	-	-	3	dB
VSWR	-	-	1.4	-
Rejection	>40@DC-7.88GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHH11750-7Z10

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

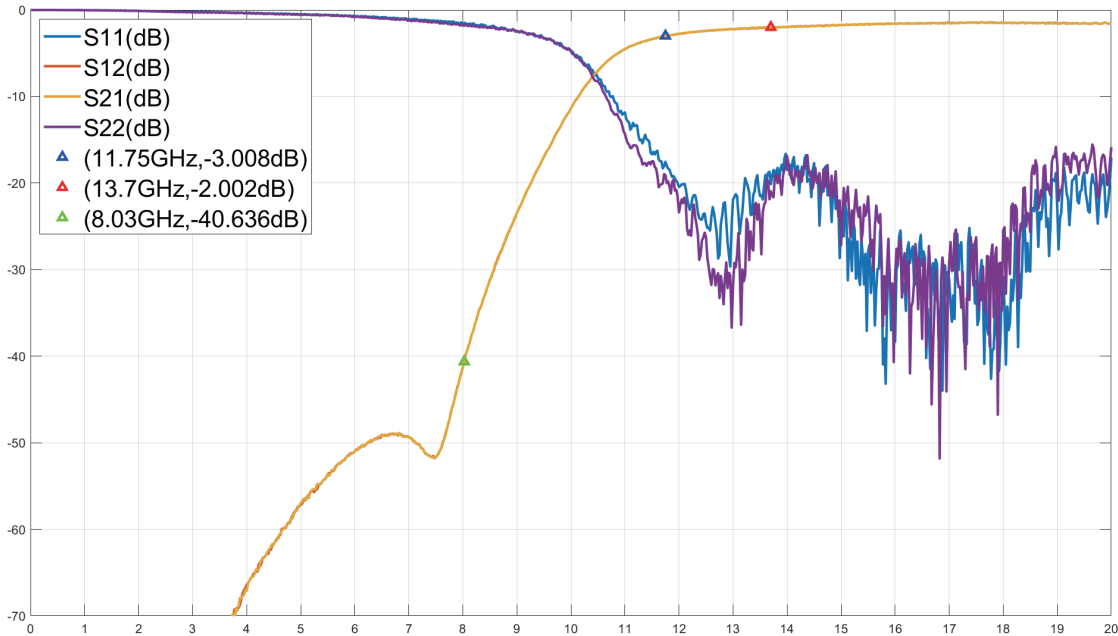
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

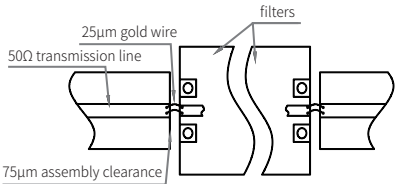
	Min	Typical	Max	Unit
Pass Band	-	11.75-20	-	GHz
IL	-	-	3	dB
VSWR	-	-	2	-
Rejection	>40@DC-8.03GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHH12450-7Z10

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

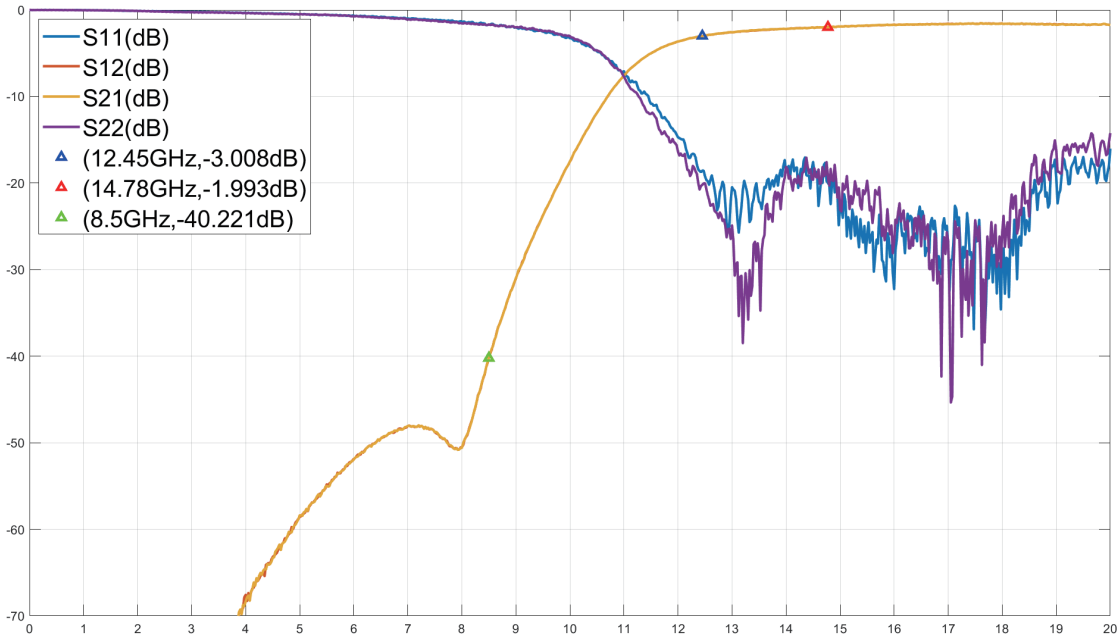
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

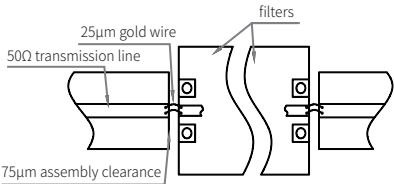
	Min	Typical	Max	Unit
Pass Band	-	12.45-20	-	GHz
IL	-	-	3	dB
VSWR	-	-	2	-
Rejection	>40@DC-8.5GHz			dB

► Typical Curve



► Suggested Assembly Drawings

1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



IYCHH13980-7Z10

► Performance Characteristics

This filter is manufactured using a mature GaAs (gallium arsenide) process platform and has the characteristics of small size, light weight, good consistency, and easy integration. It is widely used in improving background noise.

The filter chip is implemented using a lumped unit, and its performance is not affected by the external box, making it simple and convenient to use.

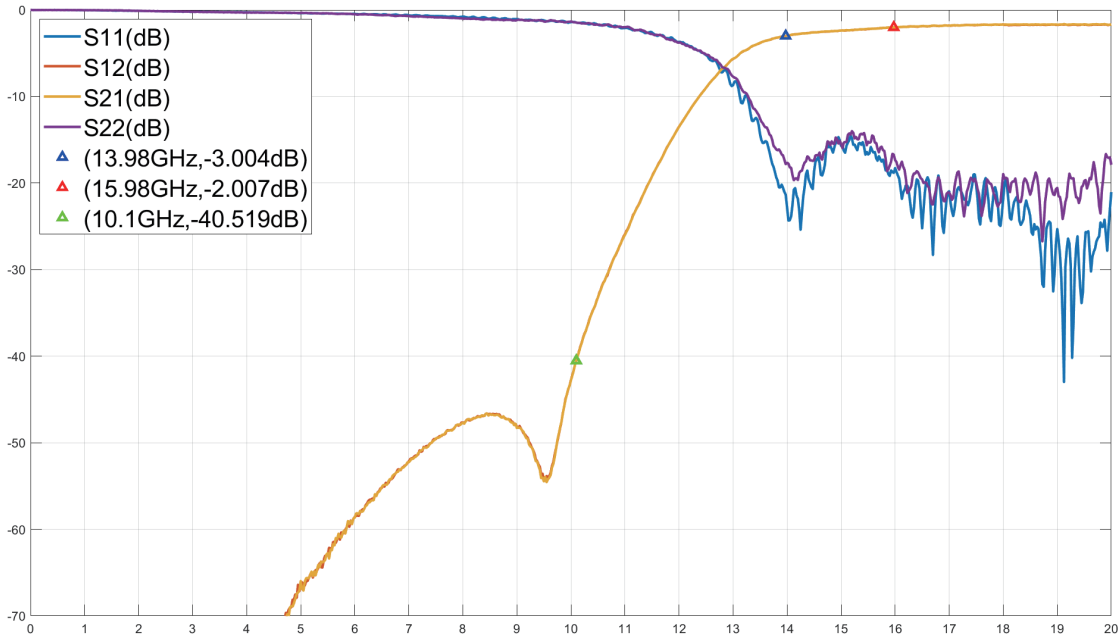
► Environmental Parameters

Working Temperature	-55°C~+85°C
Storage Temperature	-55°C~+125°C
Maximum Input Power	30dBm

► Electrical Specifications

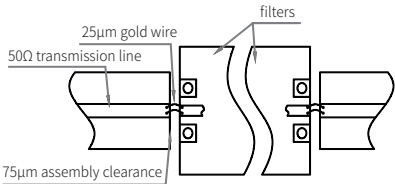
	Min	Typical	Max	Unit
Pass Band	-	13.98-20	-	GHz
IL	-	-	3	dB
VSWR	-	-	2	-
Rejection	>40@DC-10.1GHz			dB

► Typical Curve

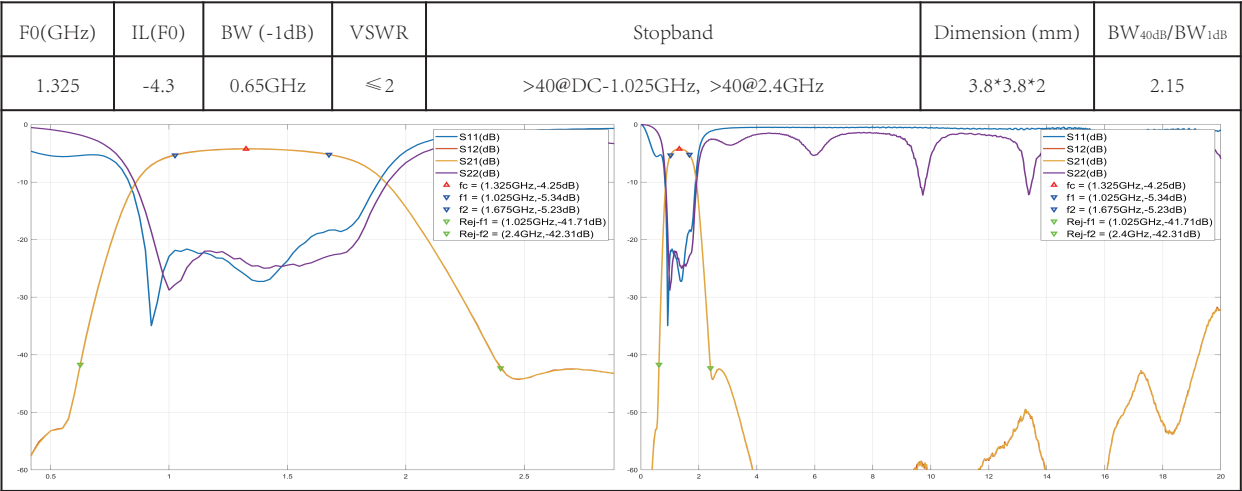


► Suggested Assembly Drawings

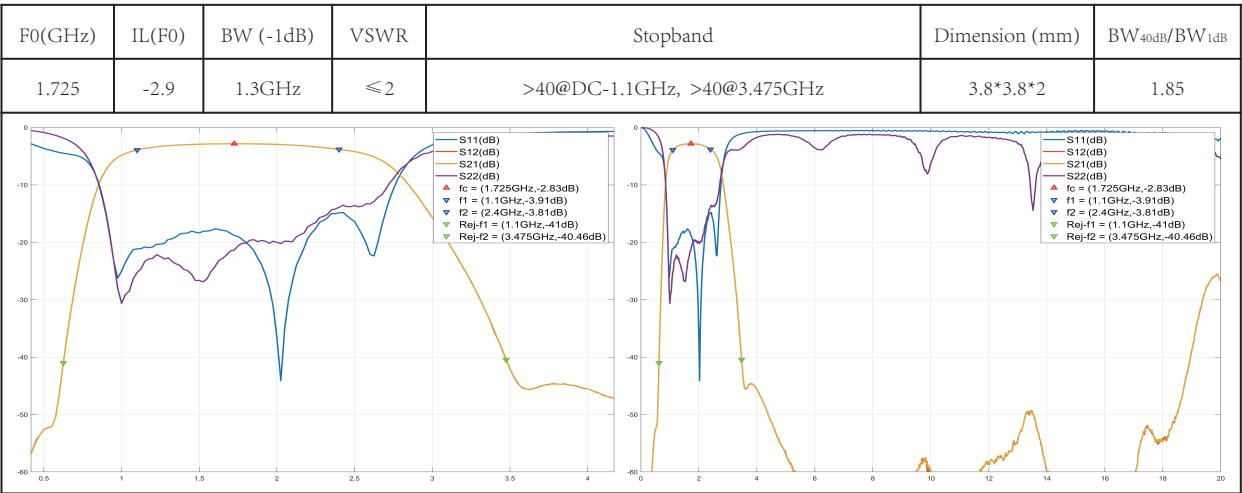
1. Assemble and use in a purified environment. GaAs material is very brittle and the chip surface is easily damaged (do not touch the surface). Be careful when using it;
2. Use two bonding wires (25μm diameter gold wire) for input and output;
3. Use 80/20 gold-tin sintering, the sintering temperature should not exceed 300°C, and the sintering time should be as short as possible, not more than 30 seconds;
4. This product is an electrostatic sensitive device, so pay attention to anti-static during storage and use.
5. Store in a dry, nitrogen environment;
6. Do not try to clean the chip surface with dry or wet chemical methods;
7. The device's ports are interchangeable;
8. Please contact the supplier if you have any questions.



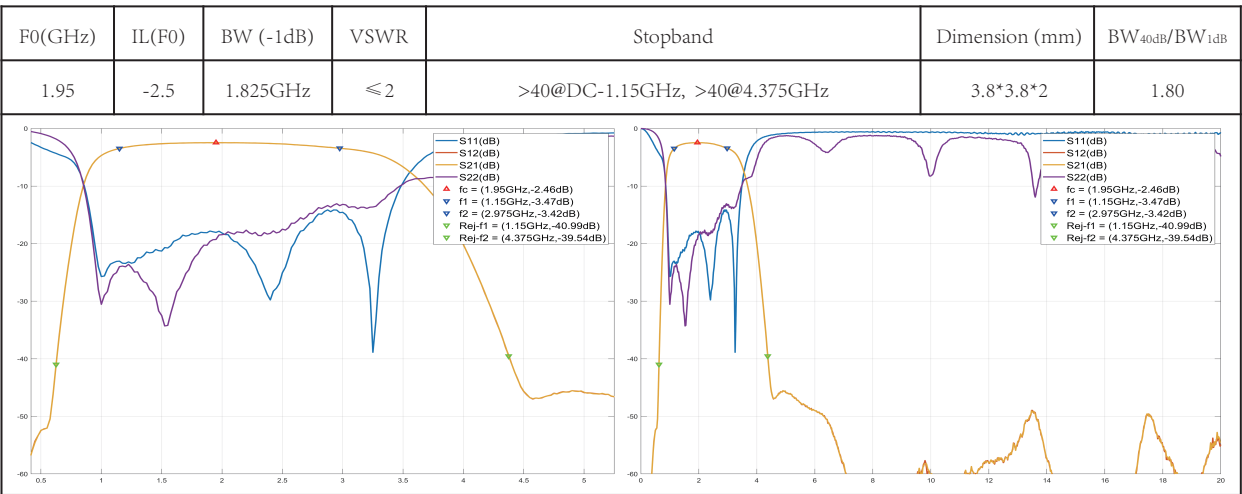
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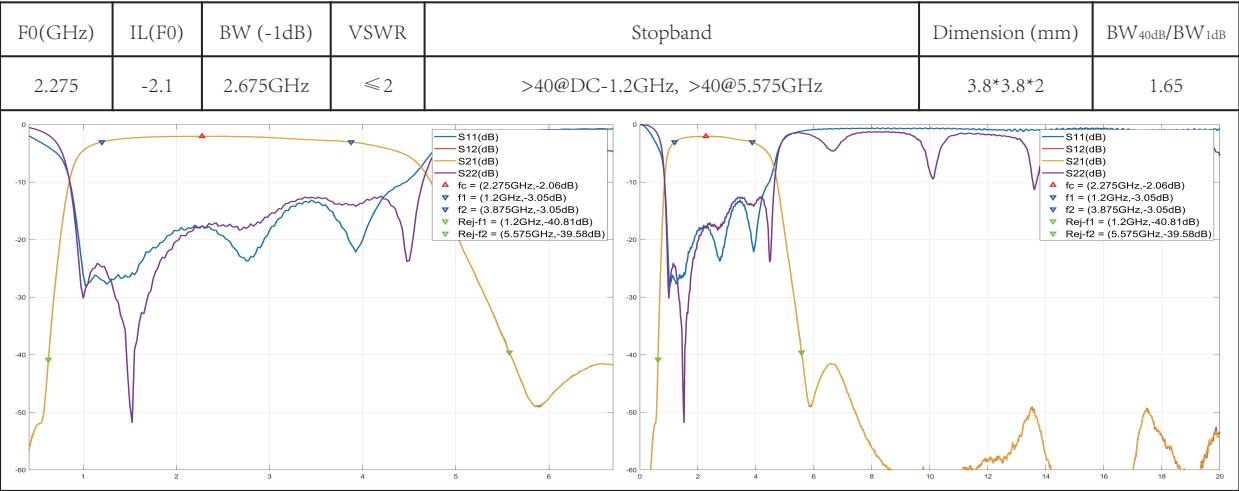
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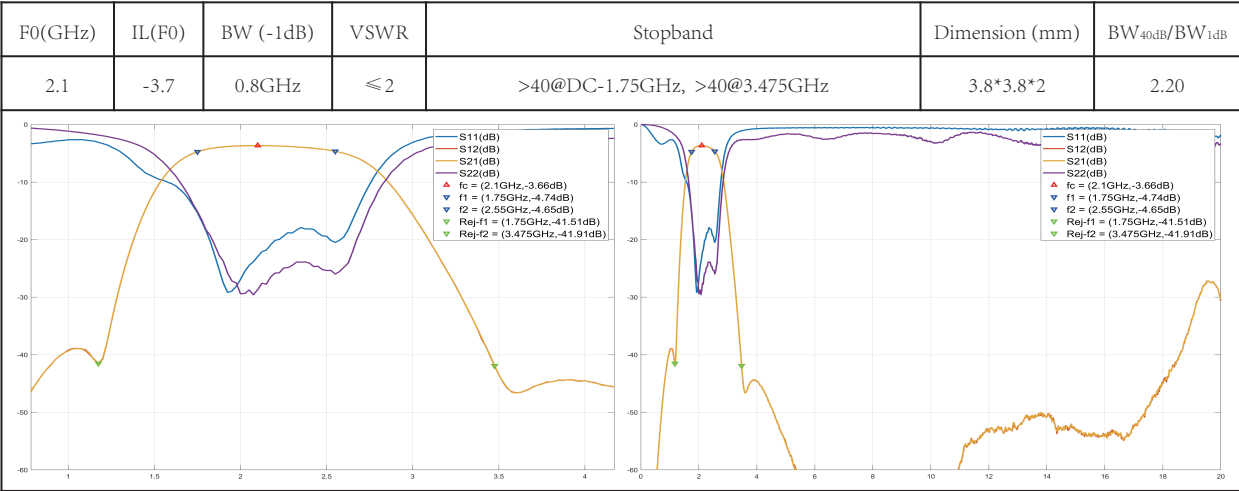
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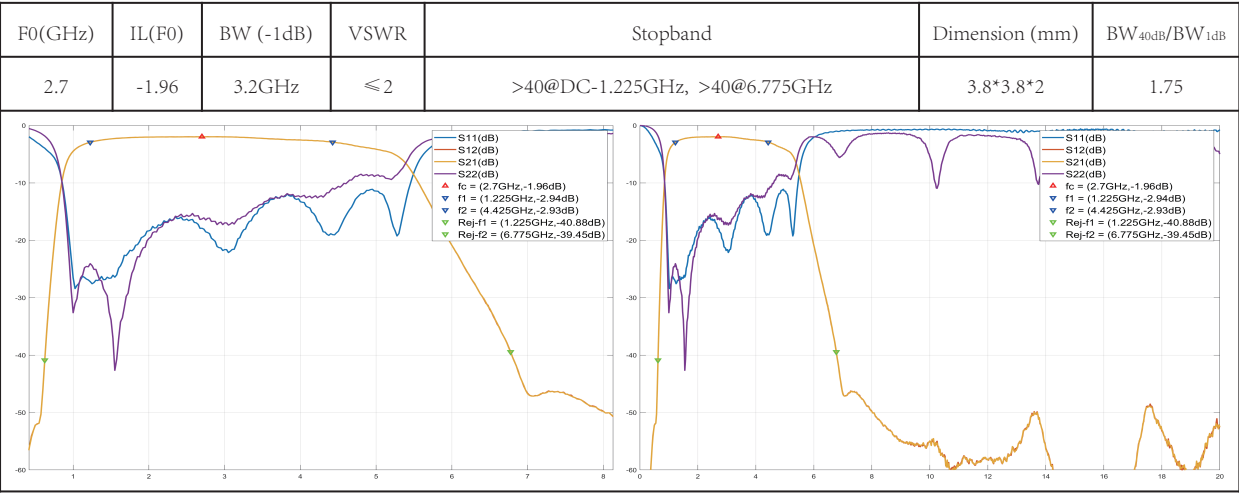
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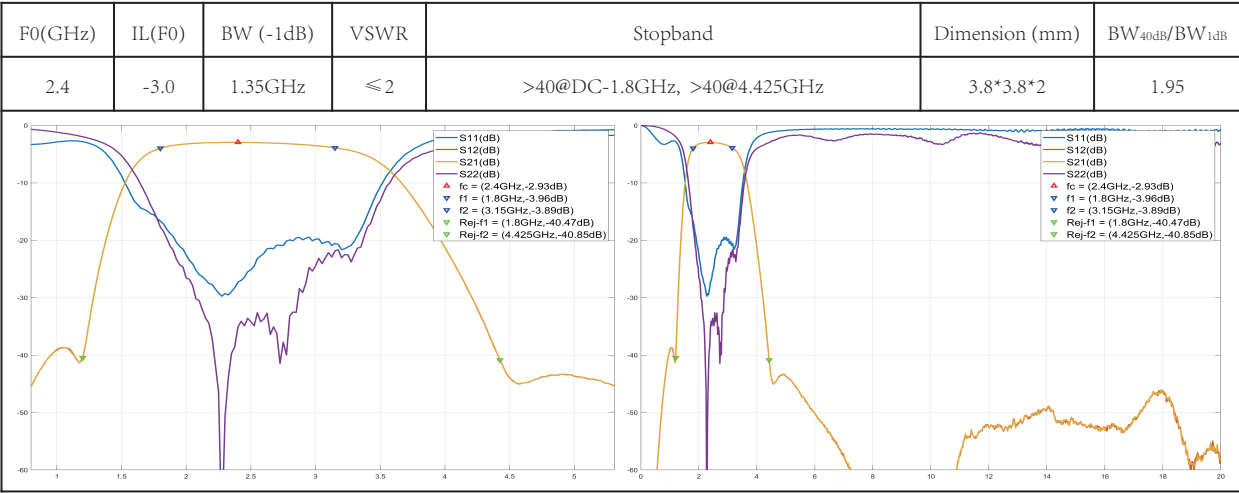
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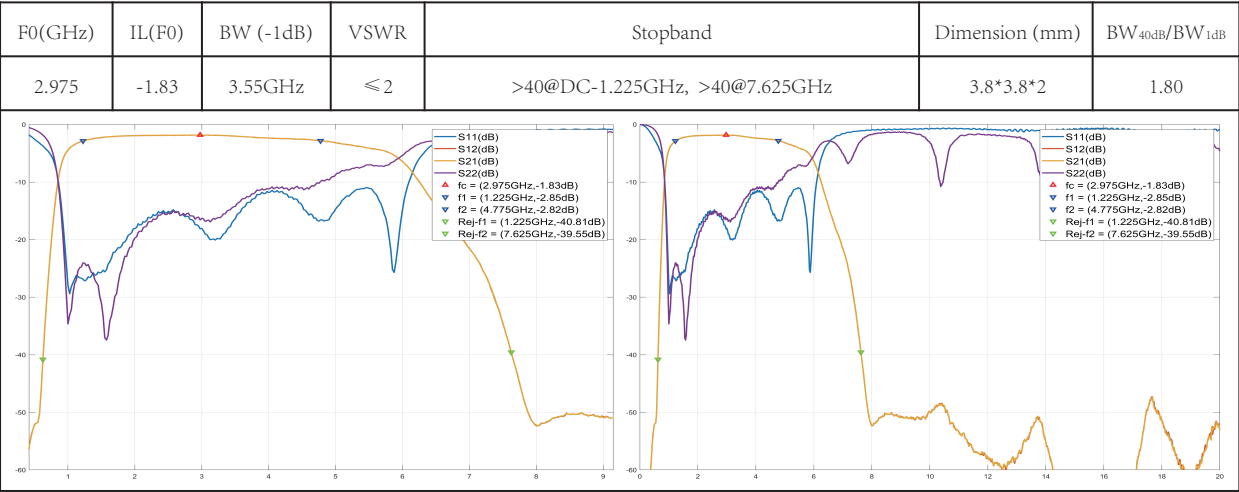
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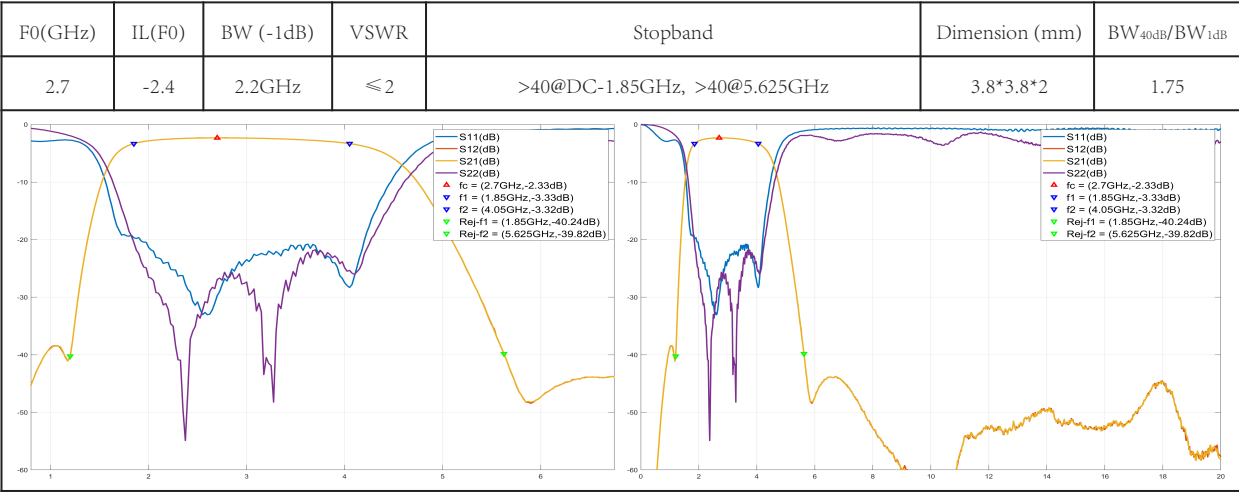
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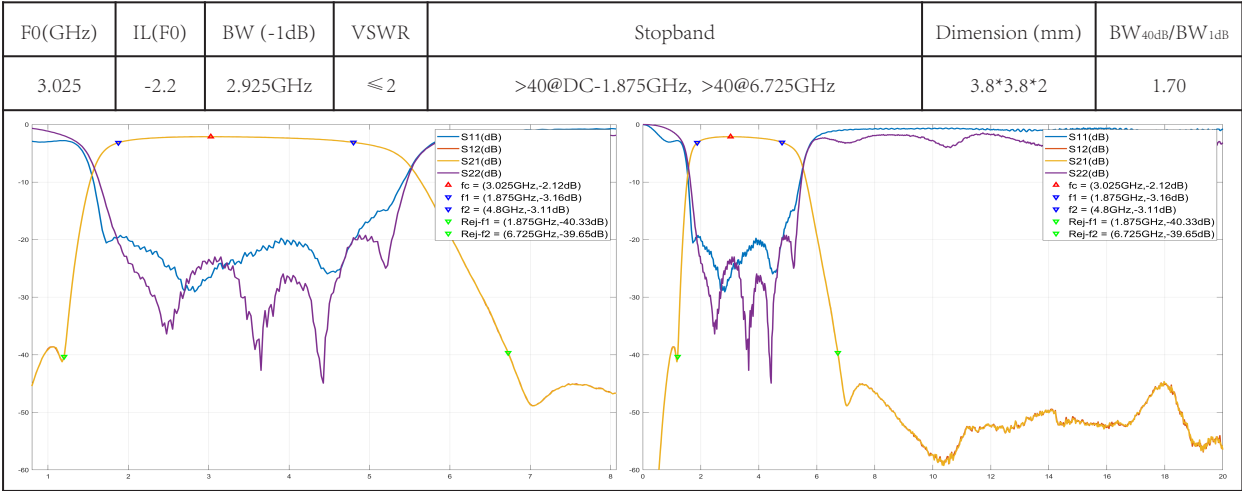
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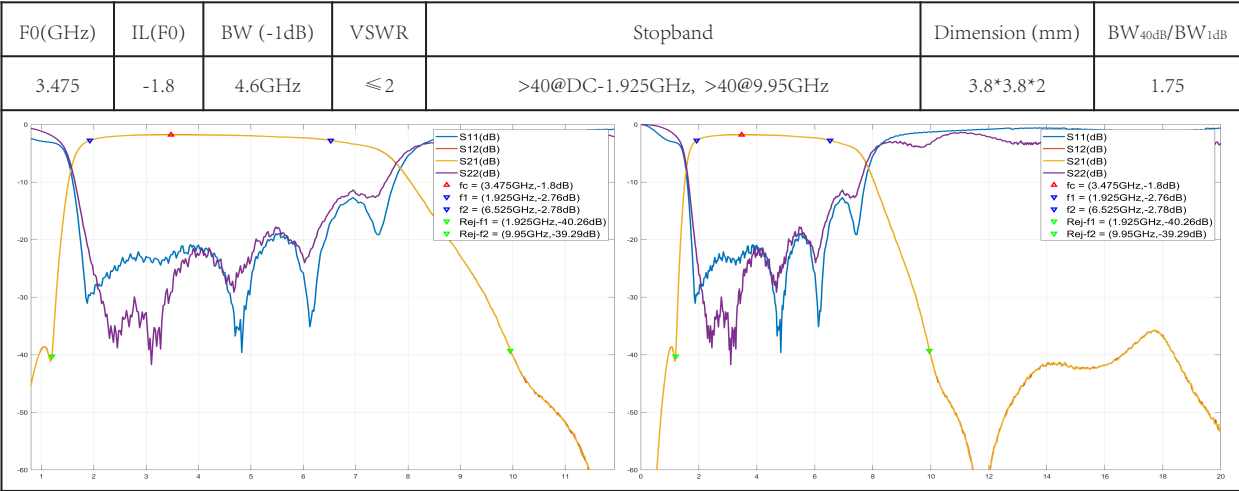
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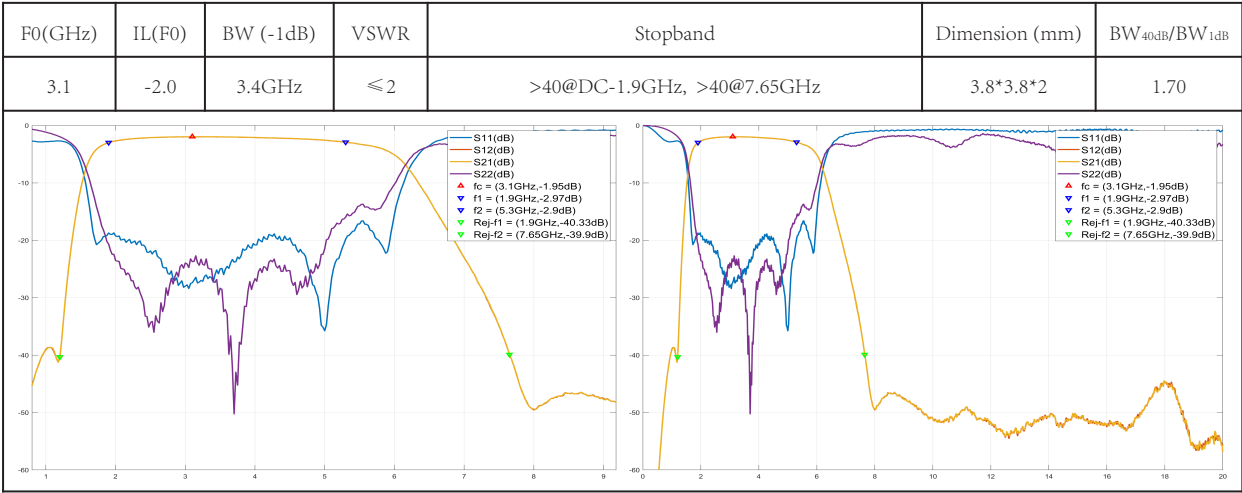
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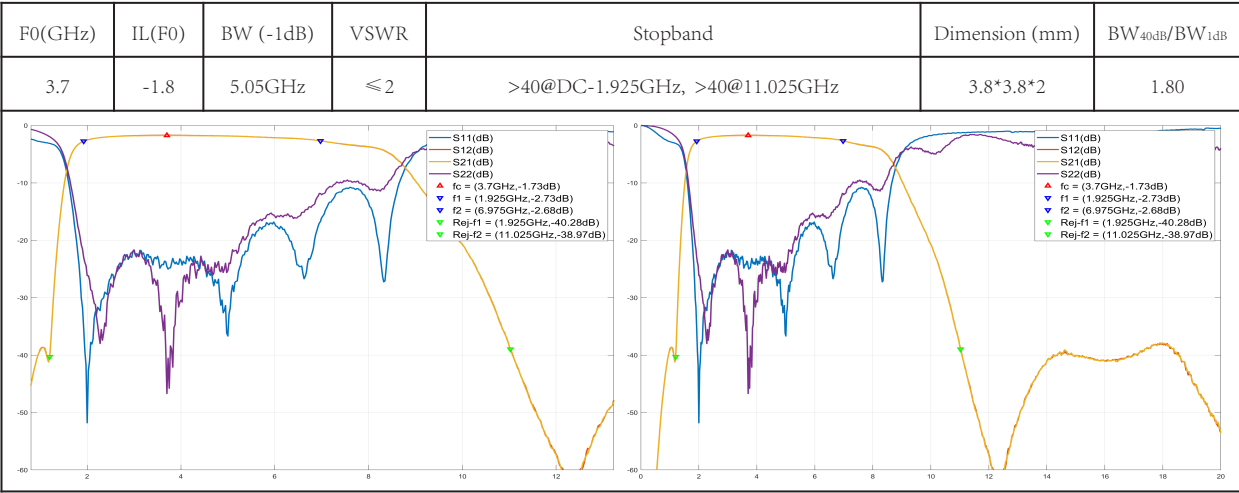
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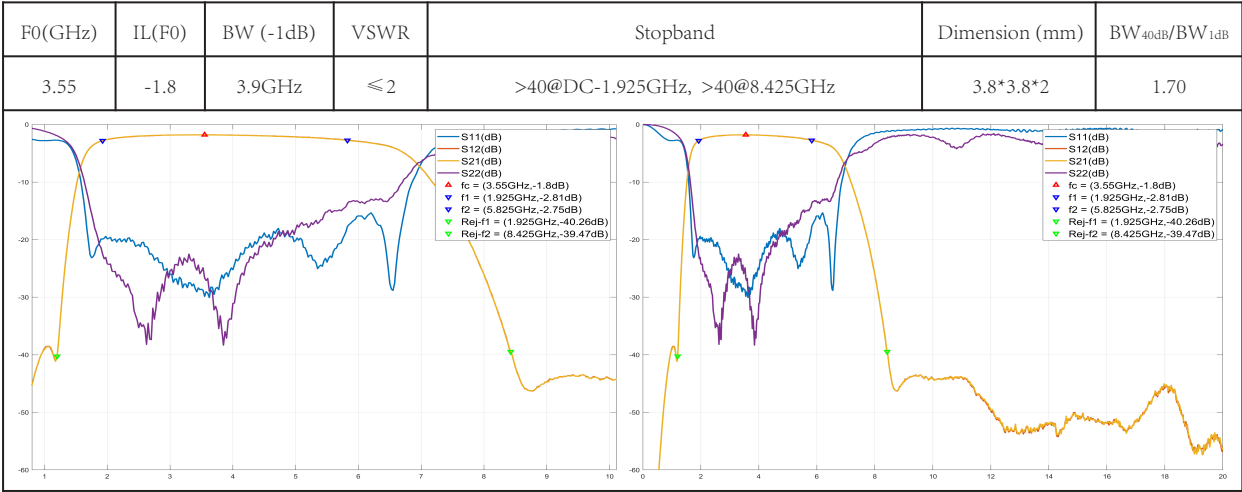
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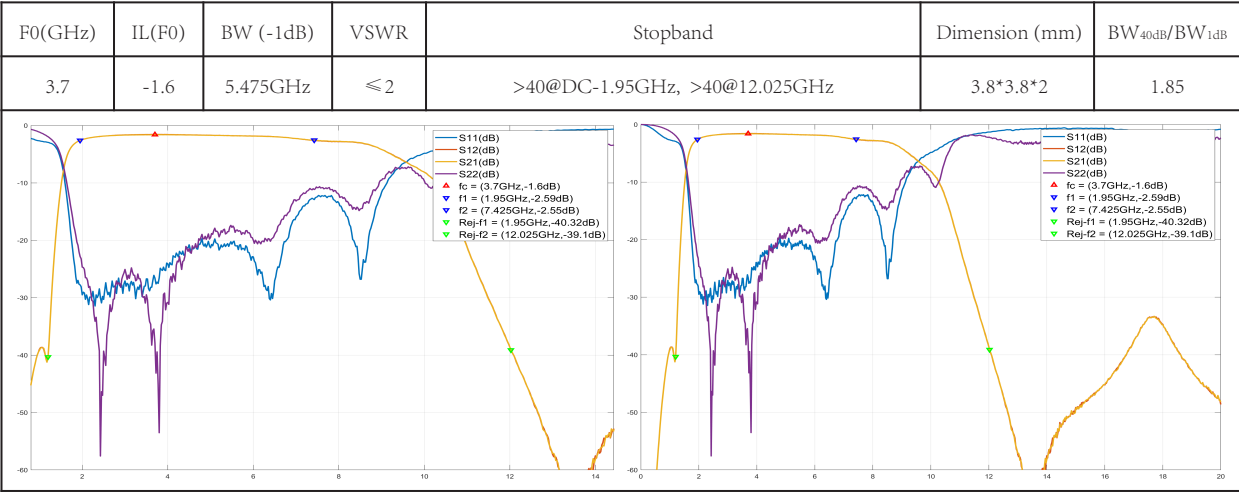
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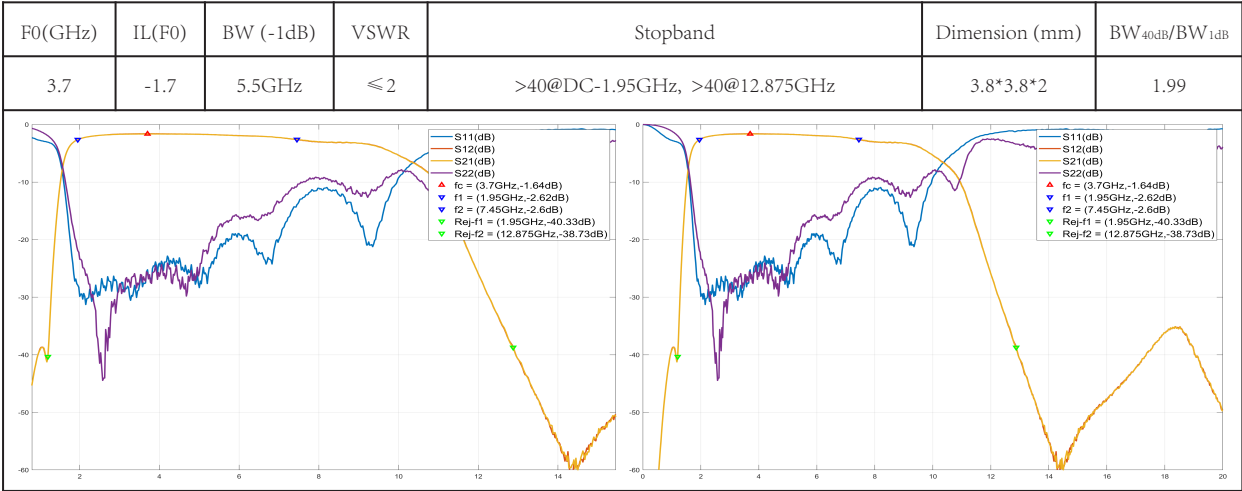
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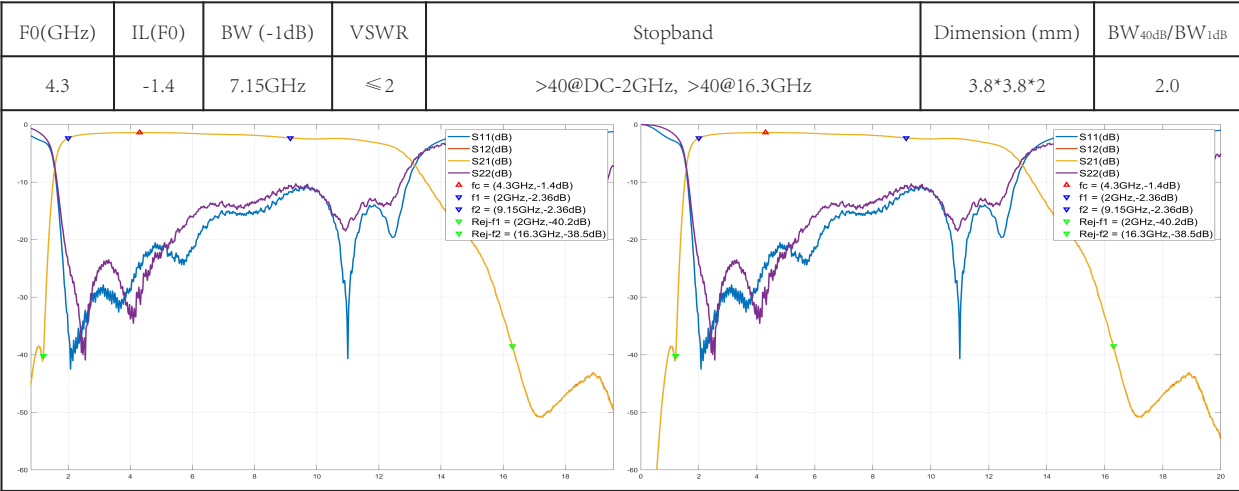
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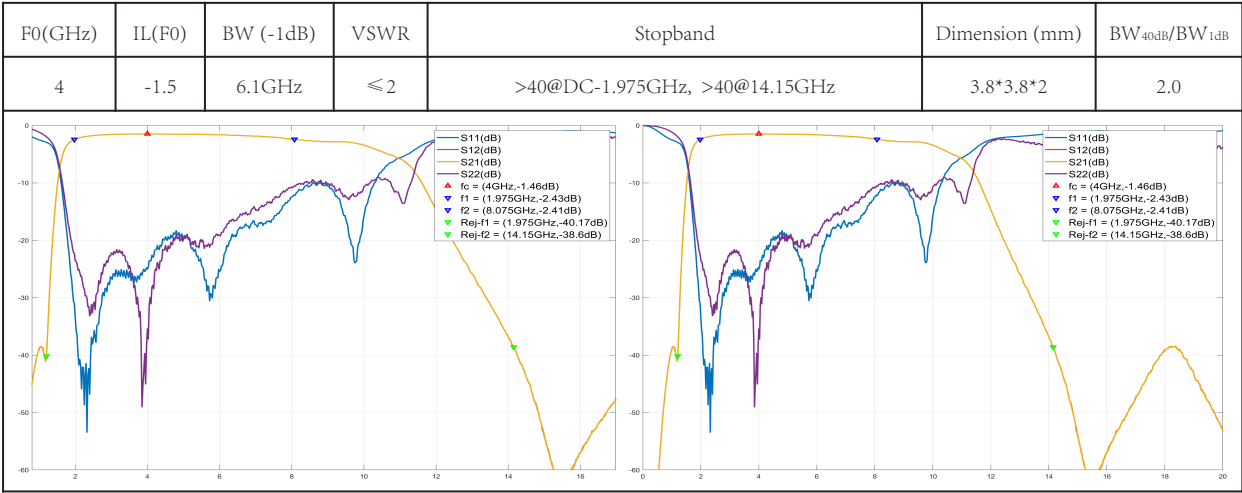
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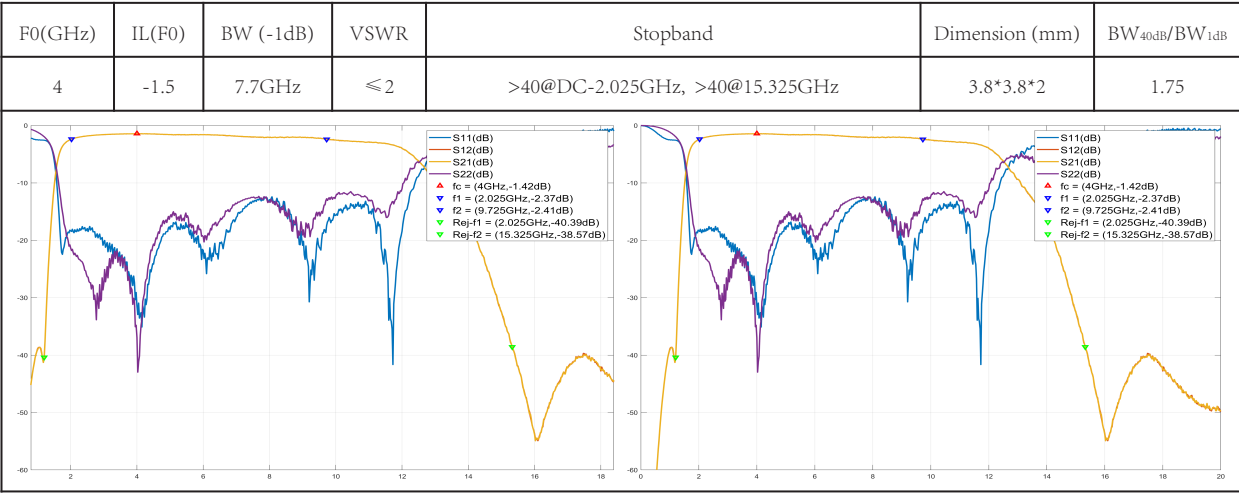
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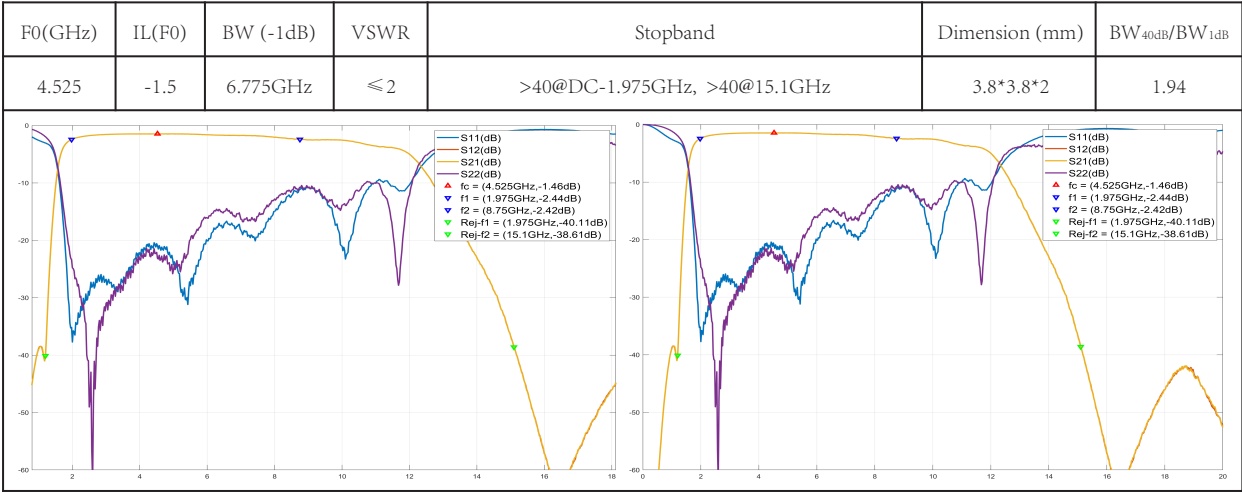
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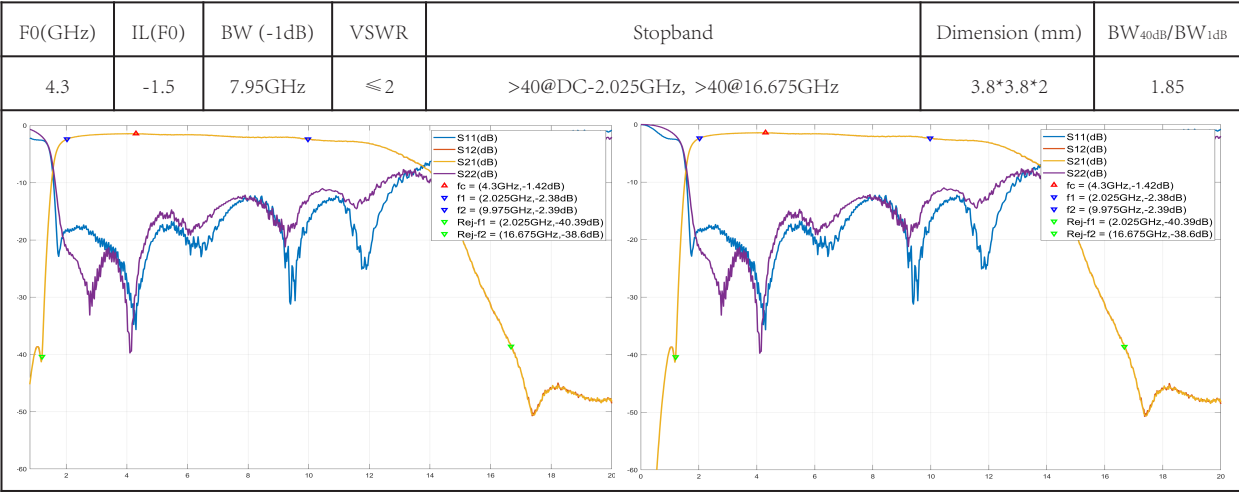
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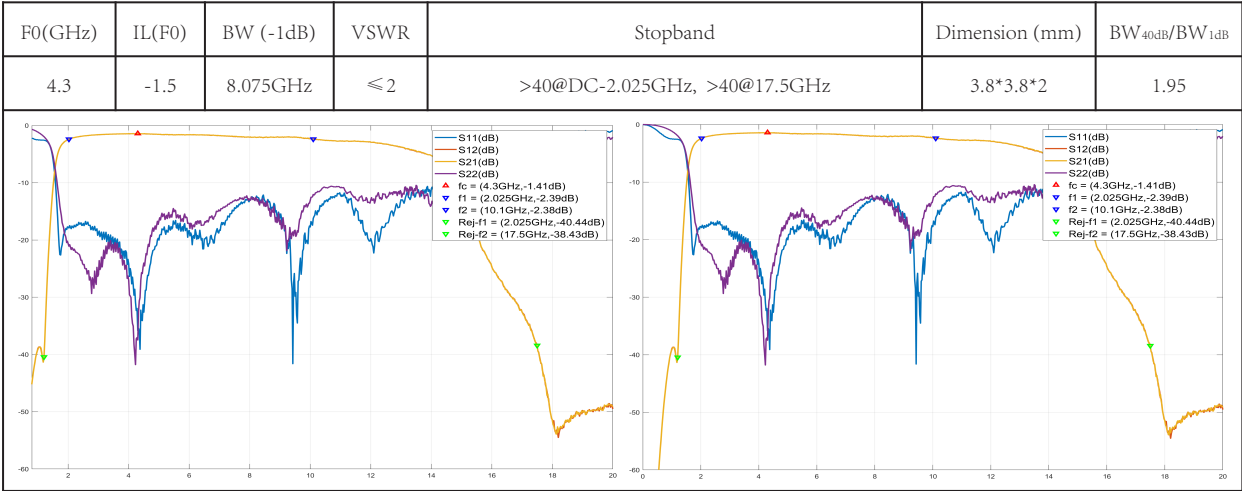
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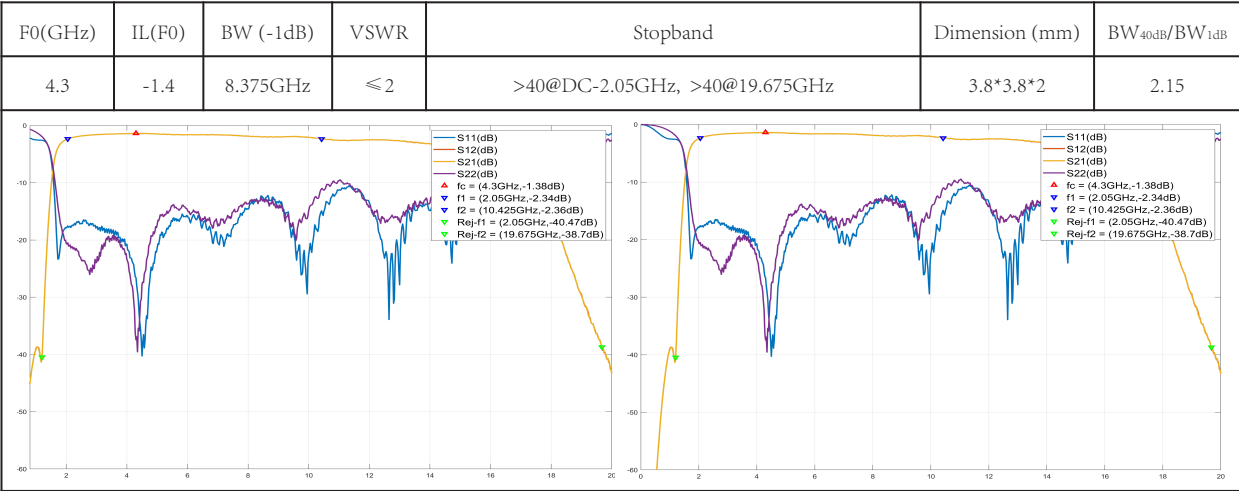
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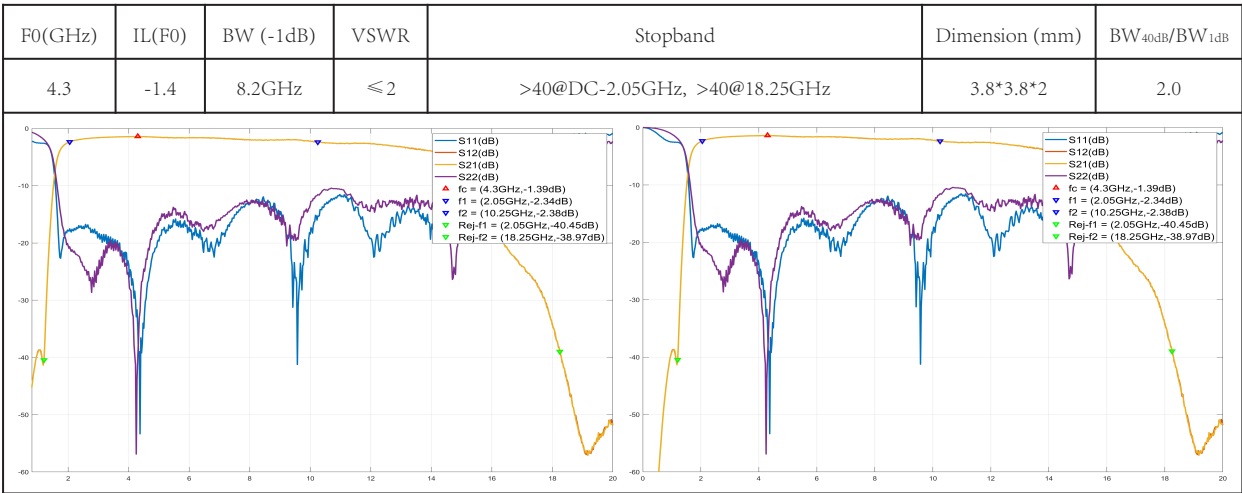
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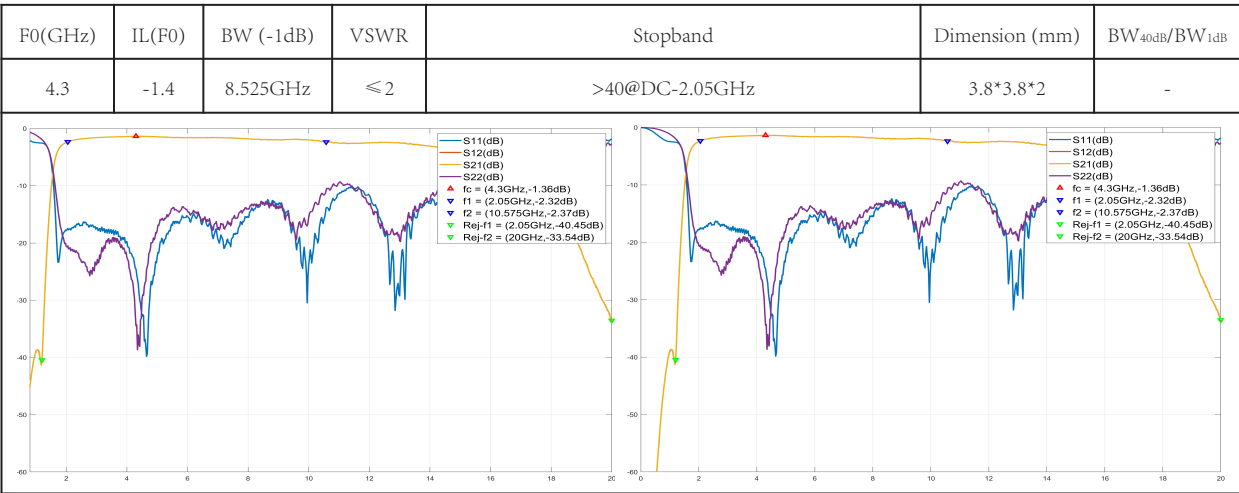
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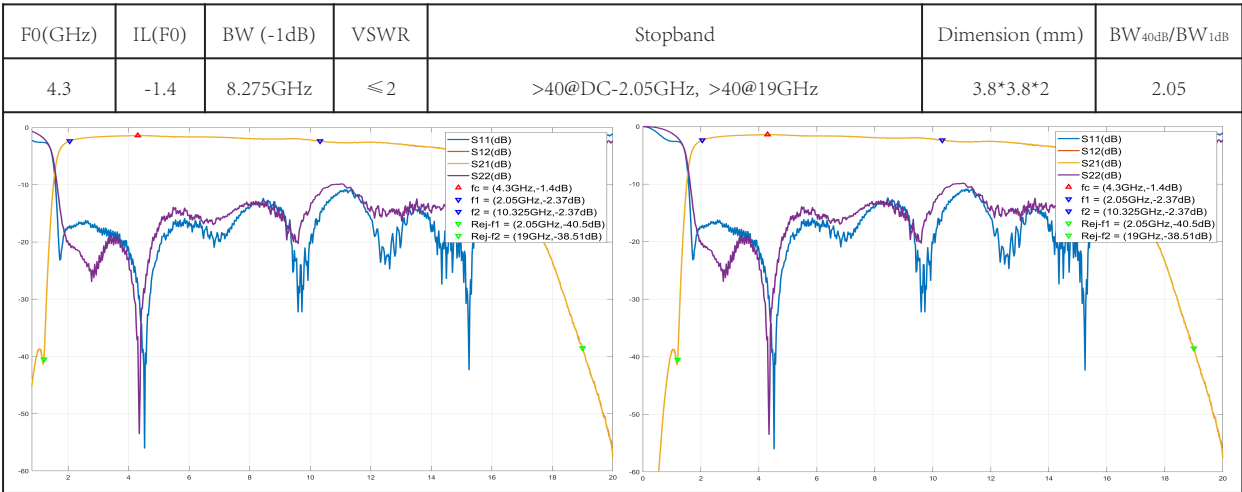
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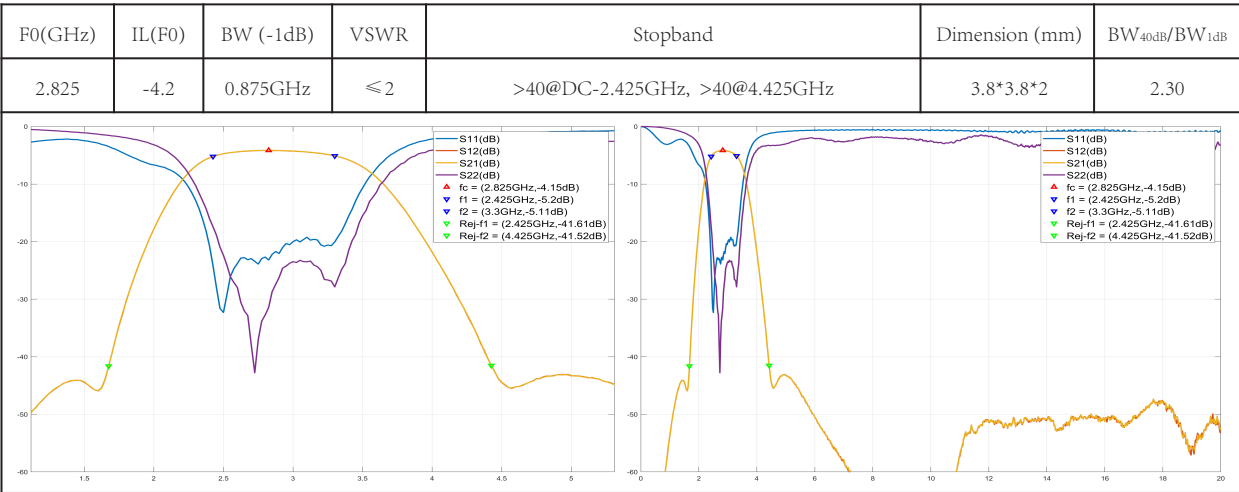
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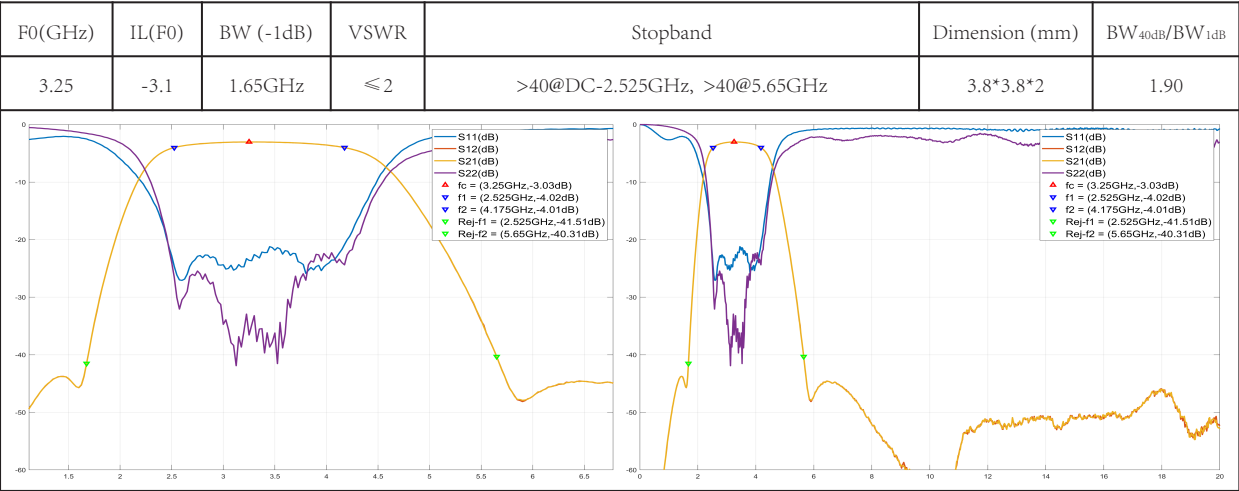
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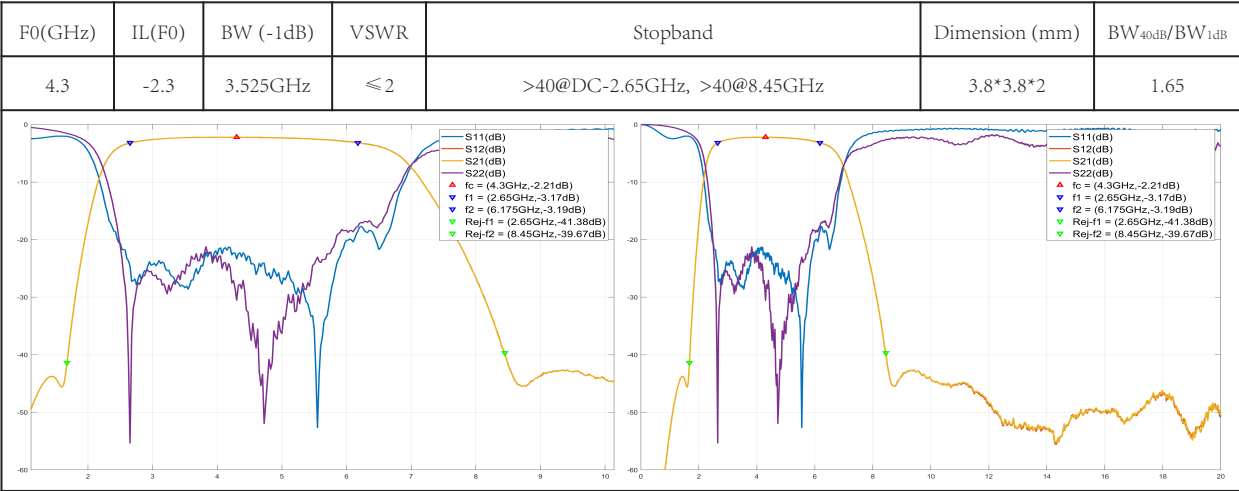
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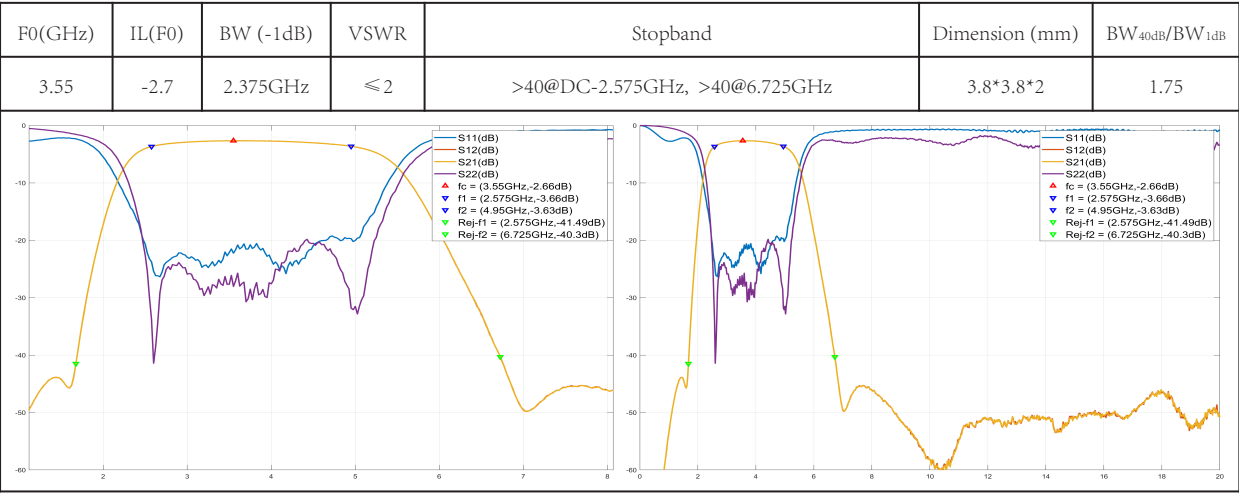
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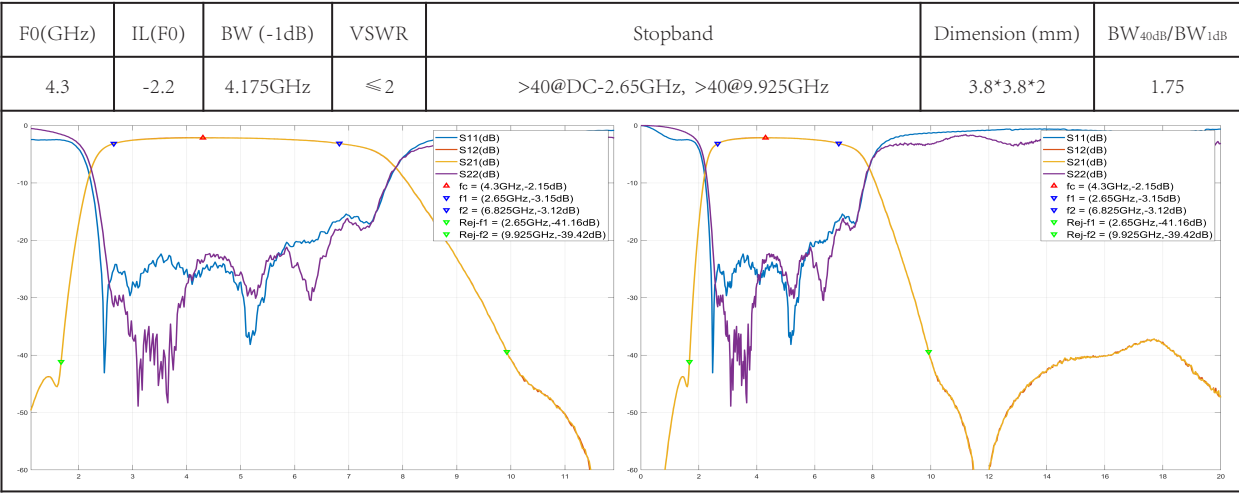
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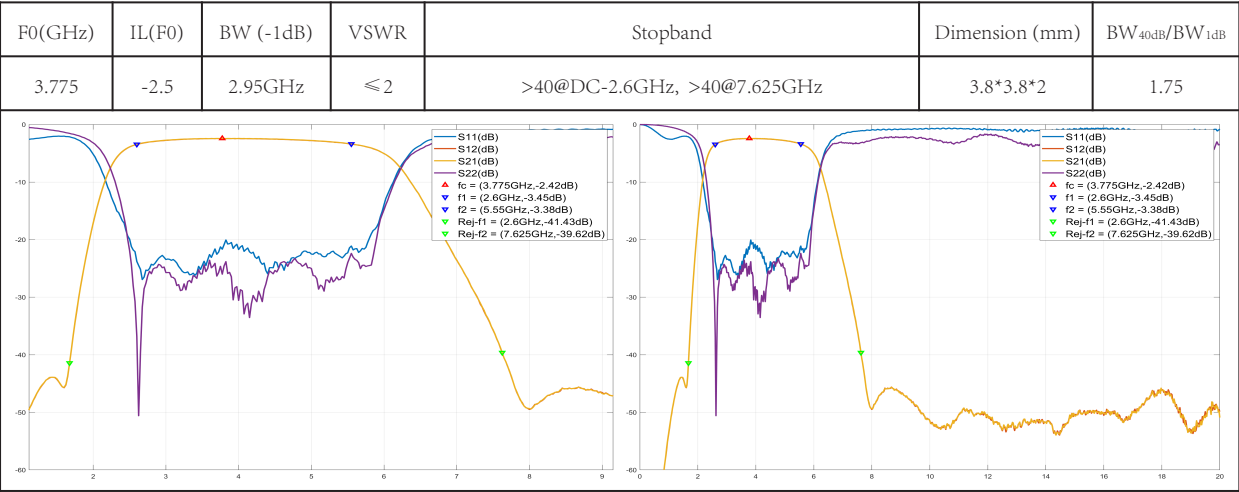
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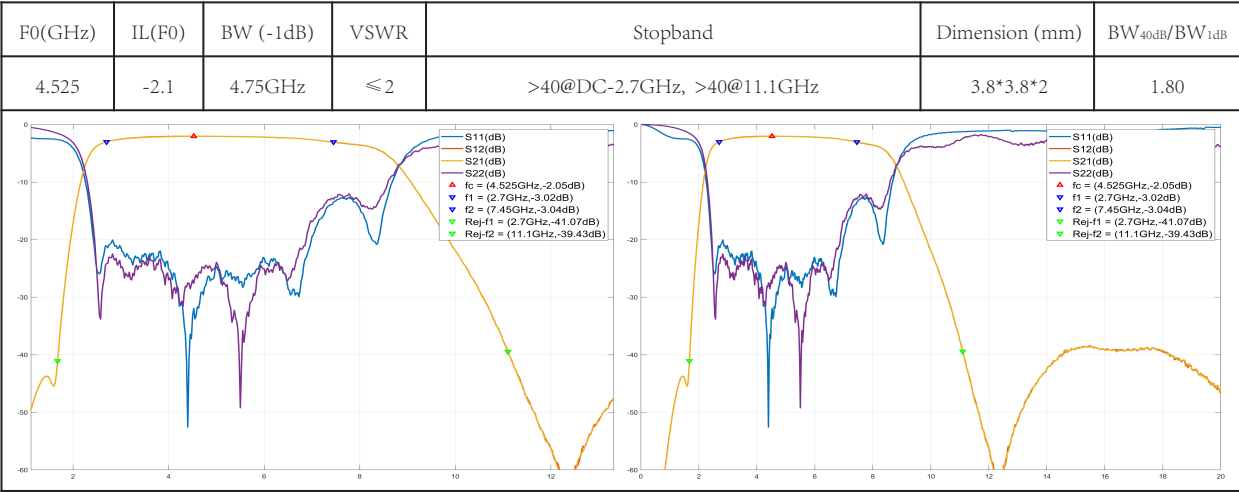
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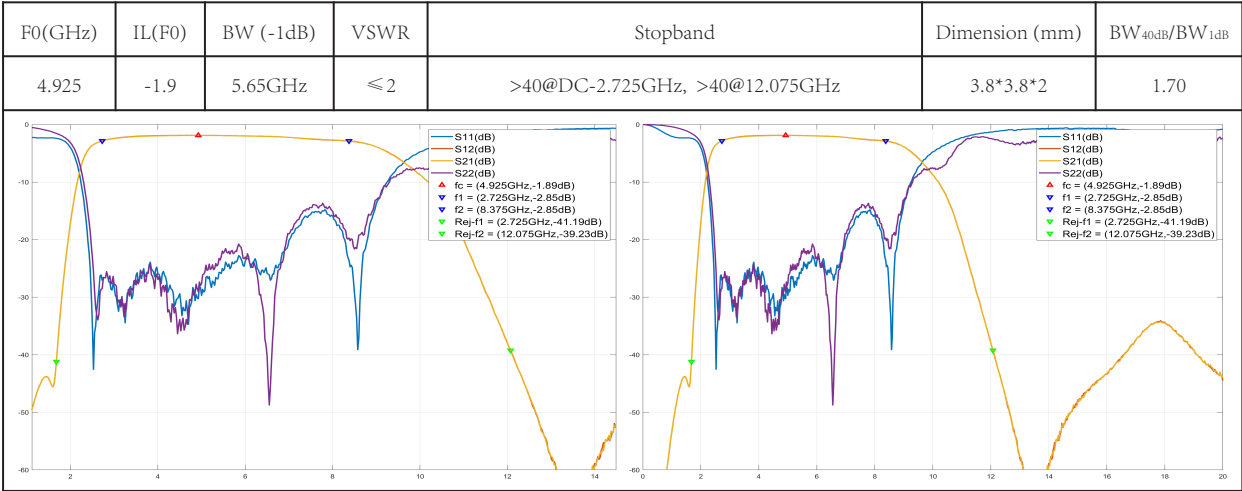
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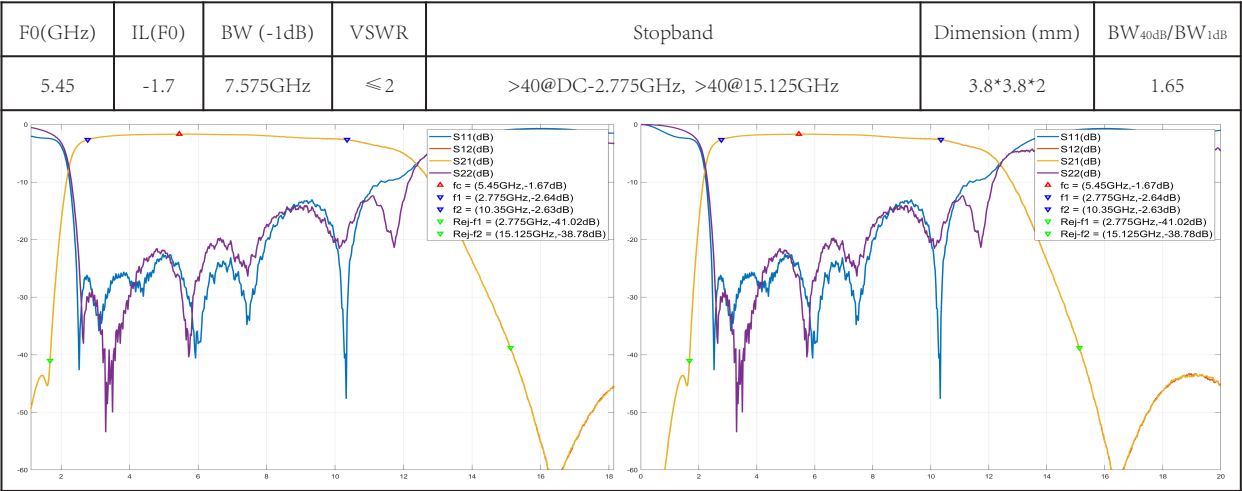
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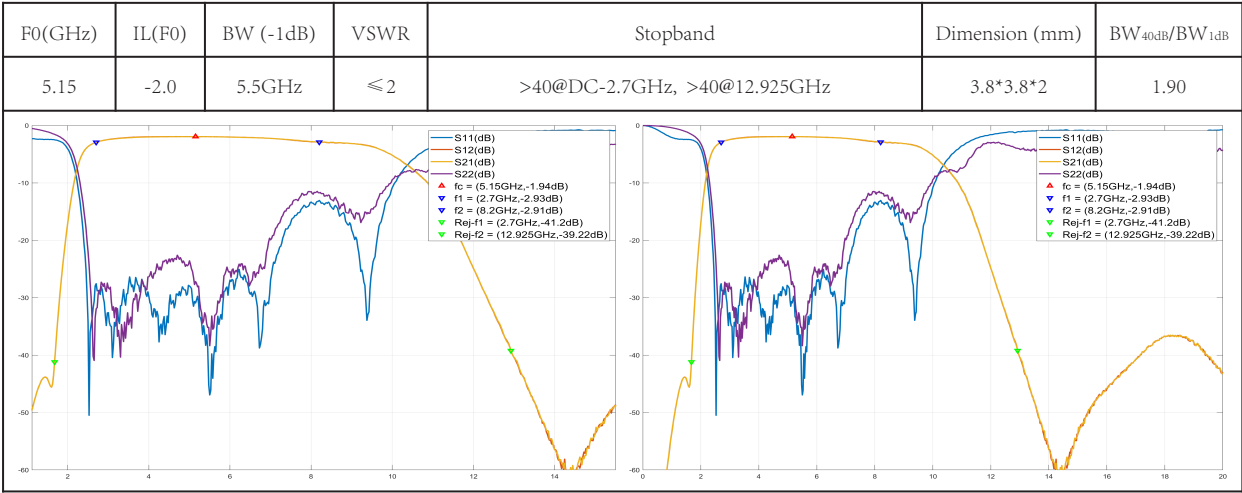
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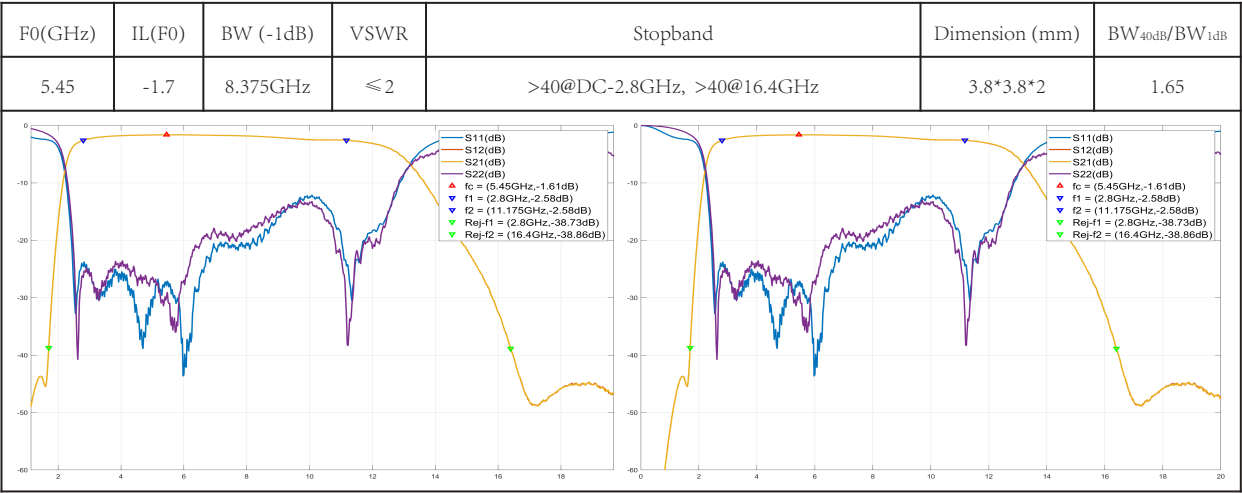
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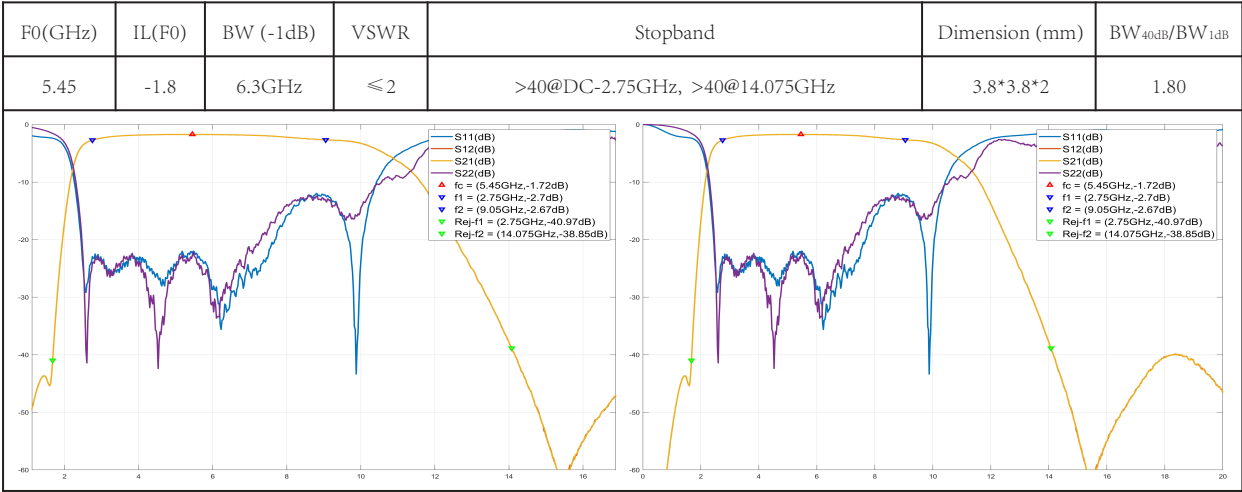
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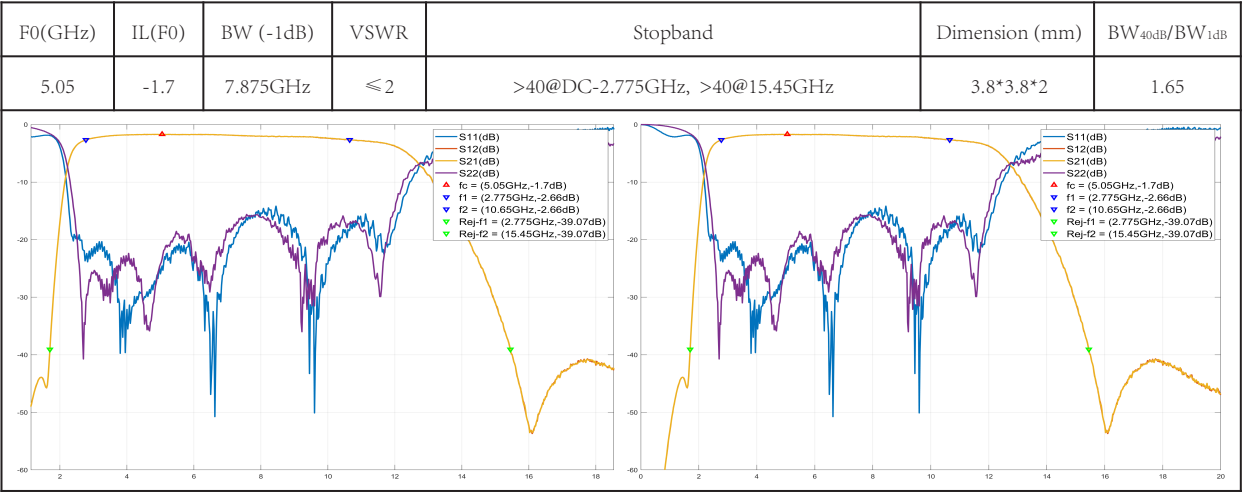
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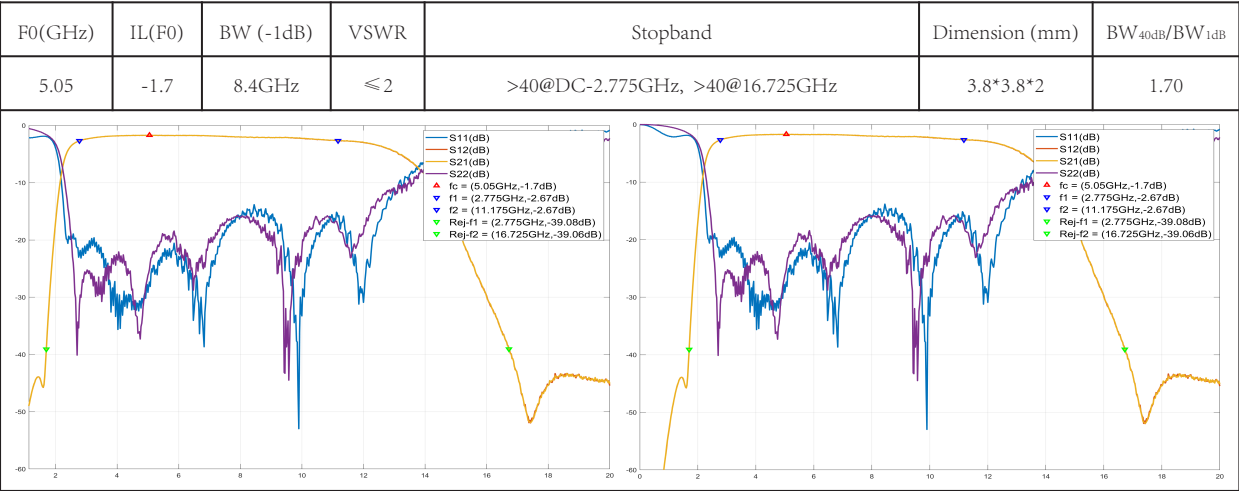
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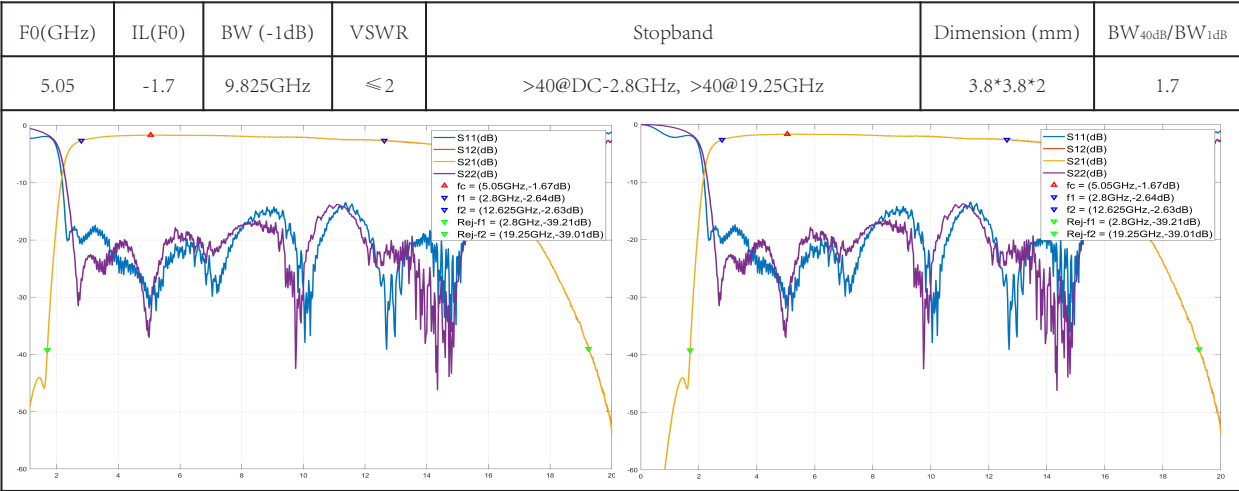
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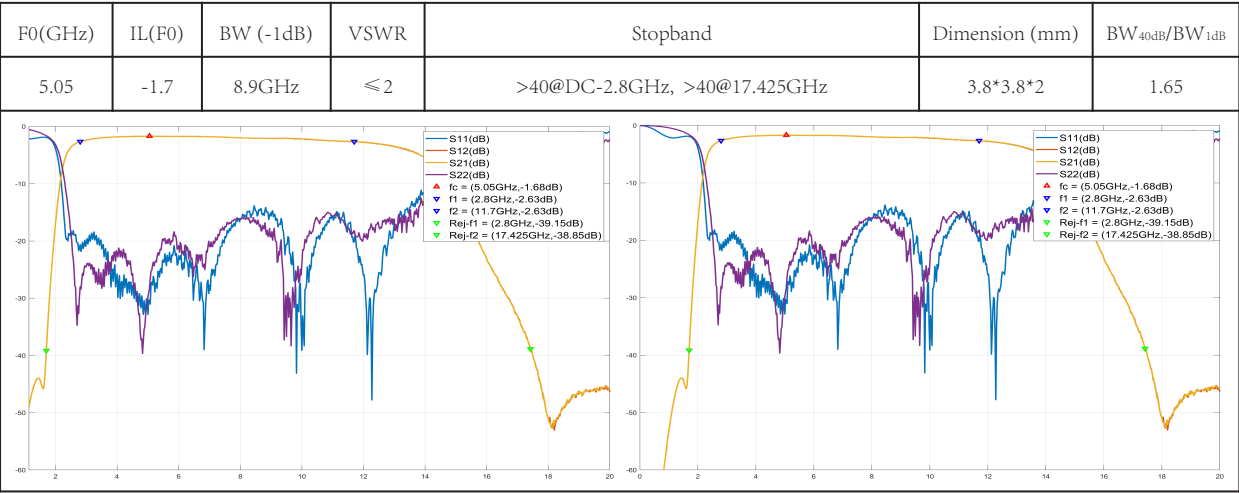
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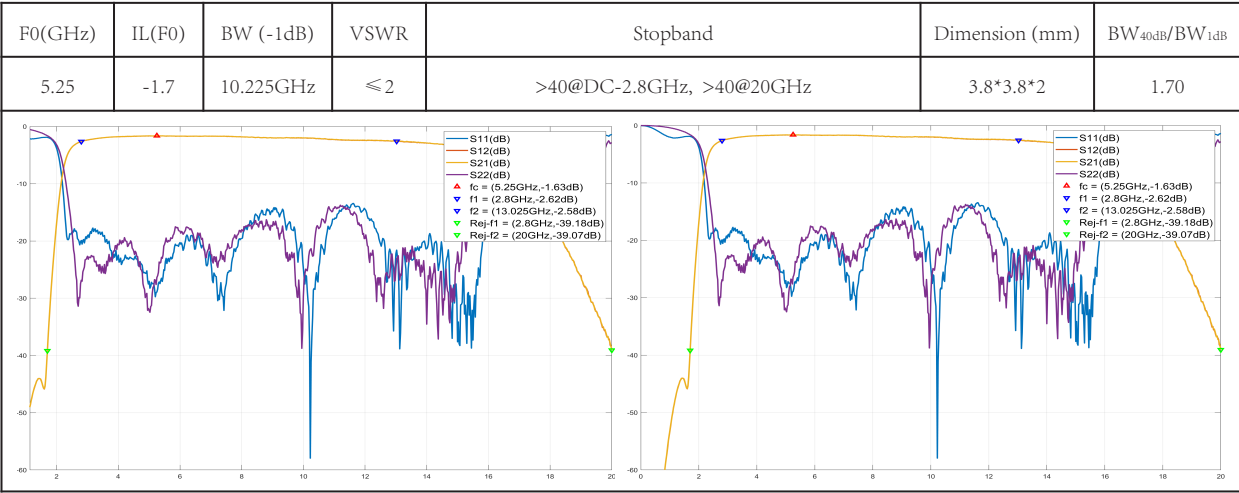
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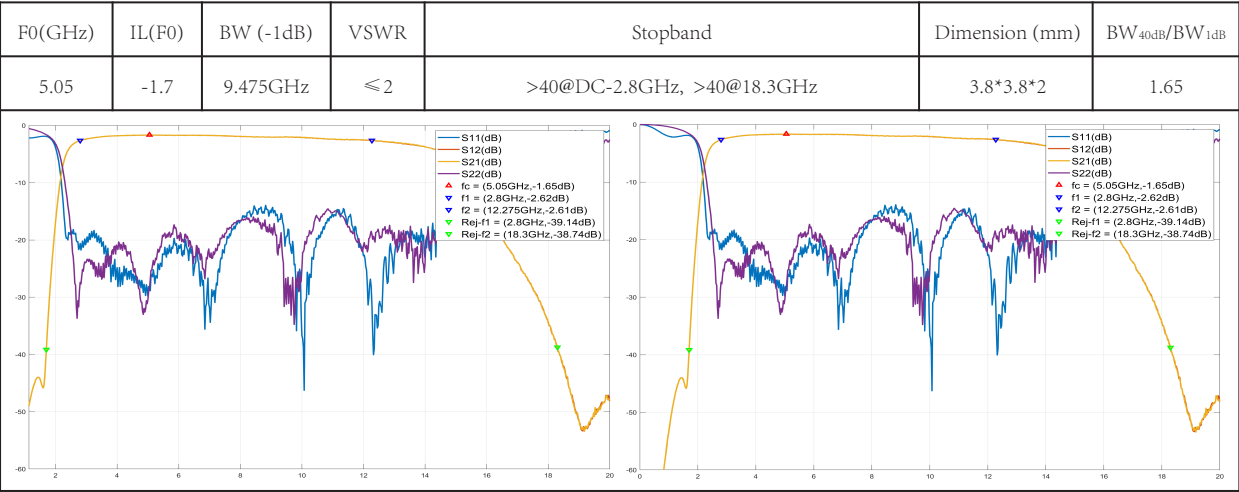
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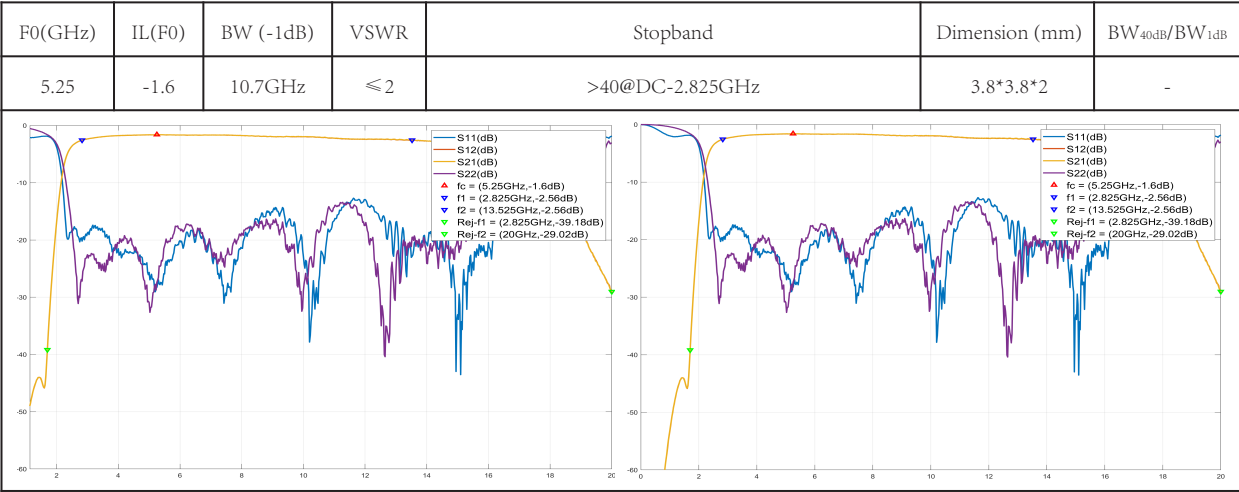
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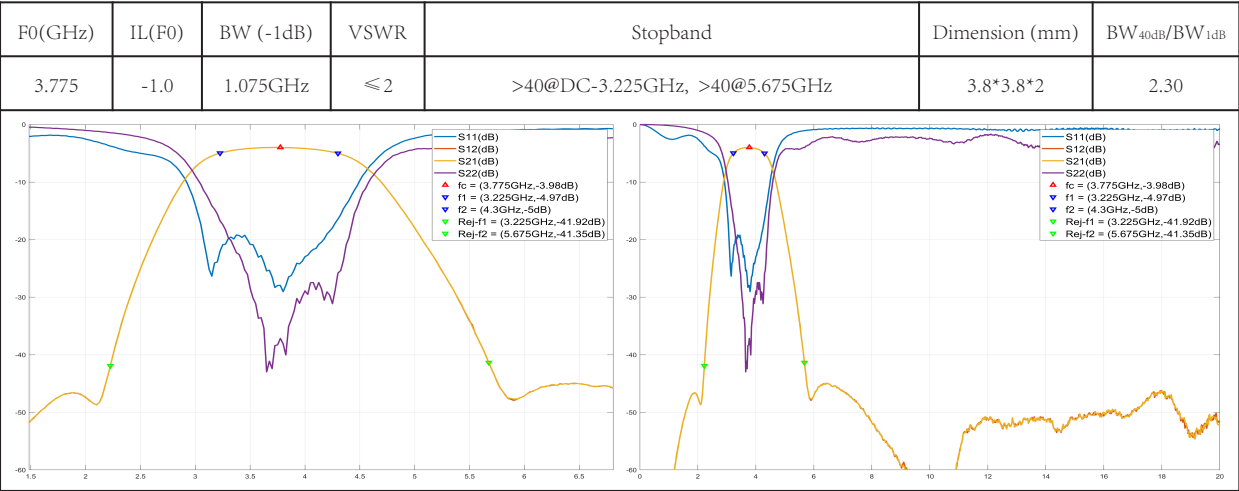
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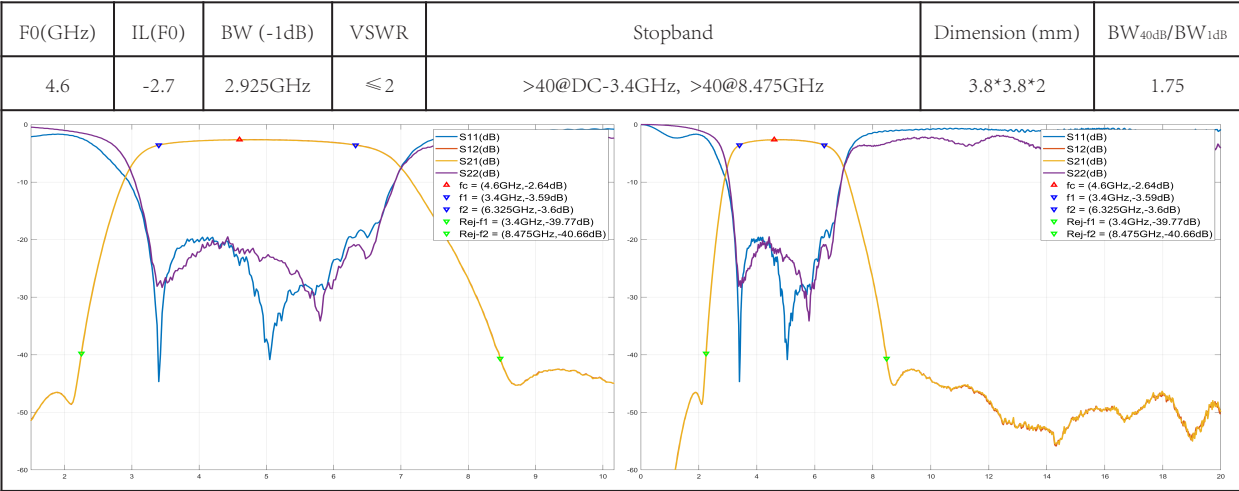
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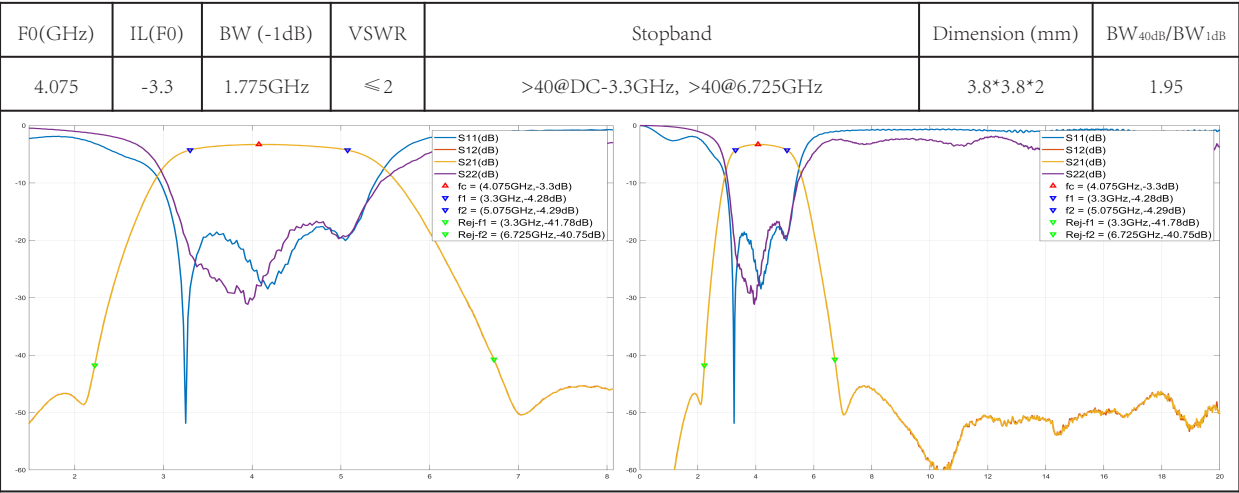
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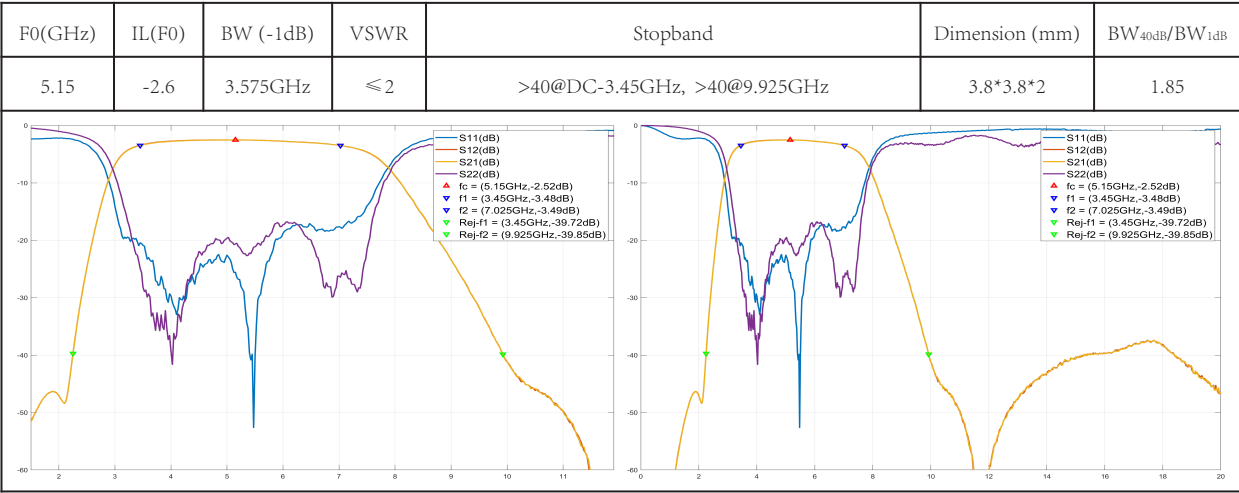
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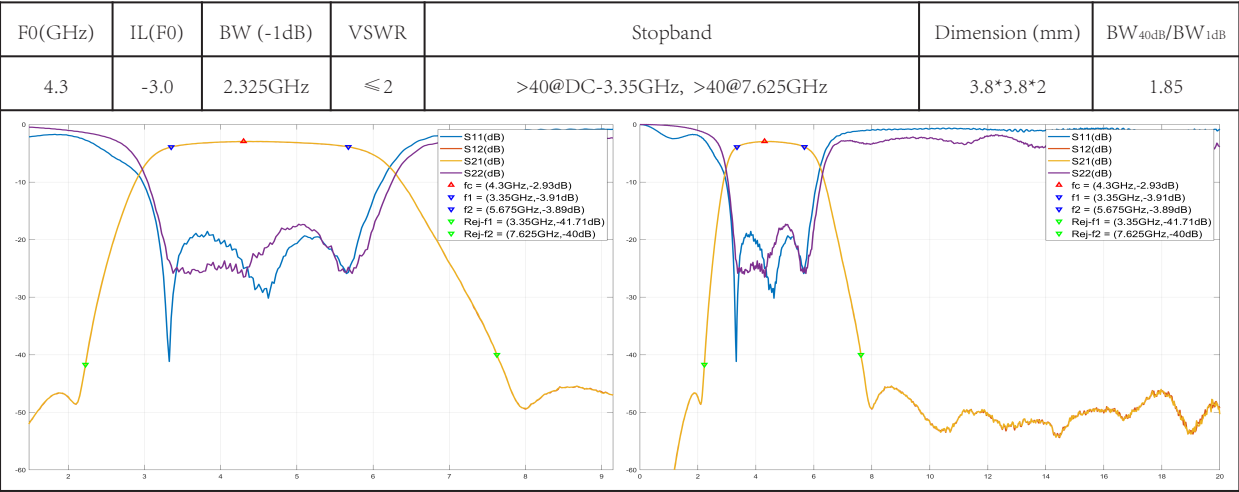
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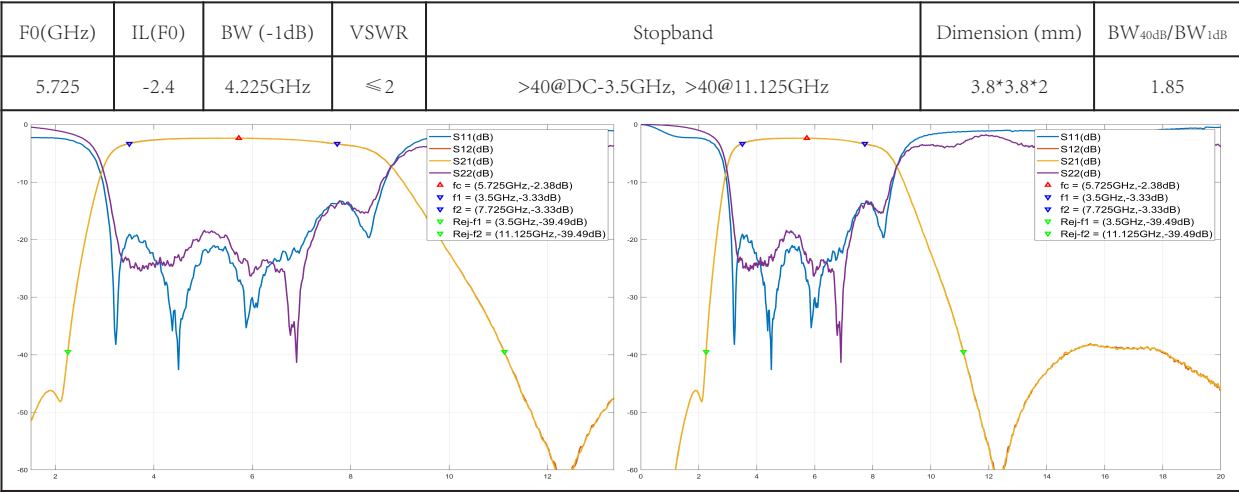
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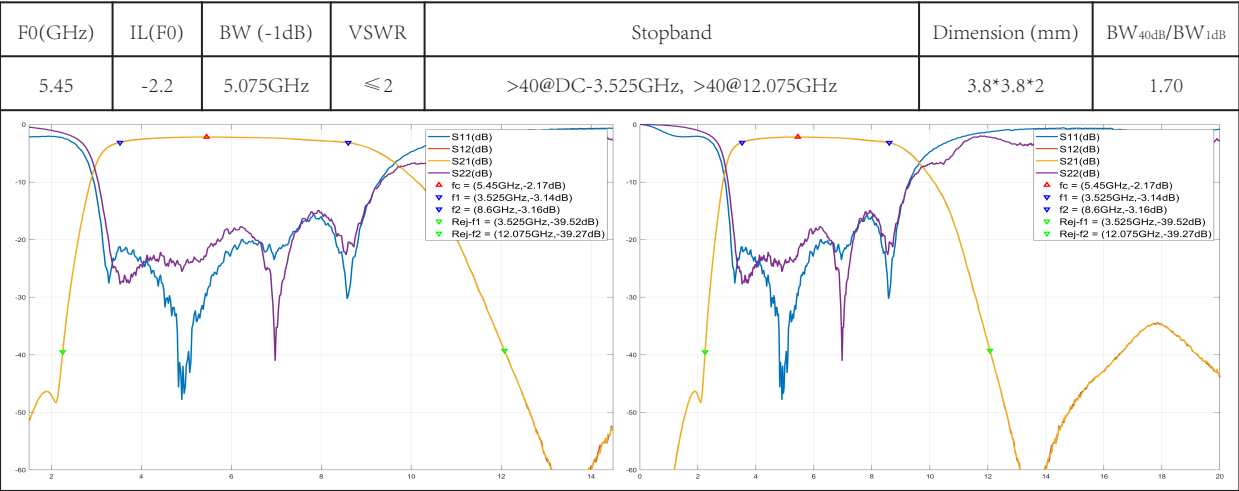
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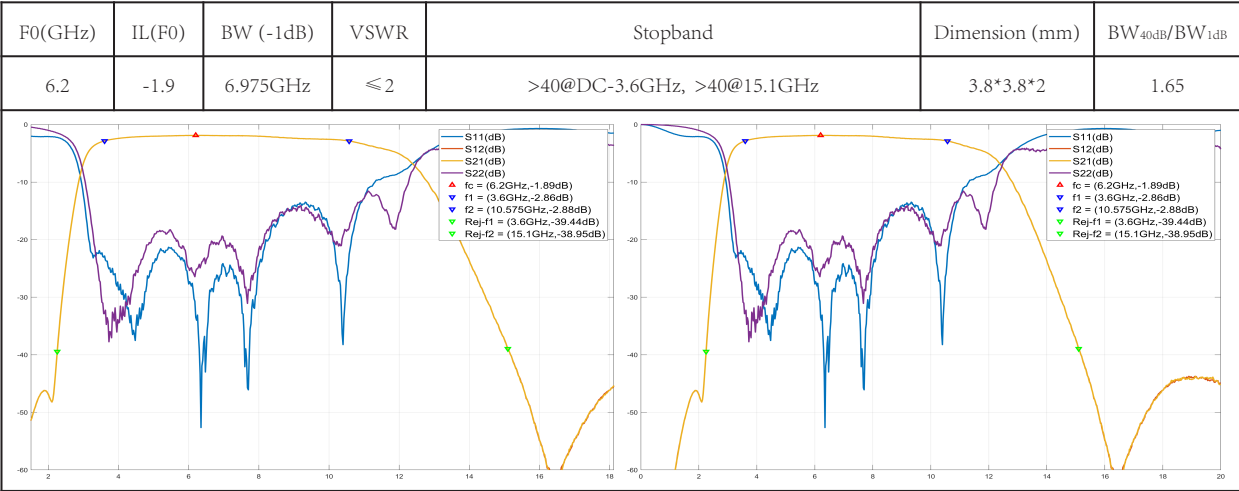
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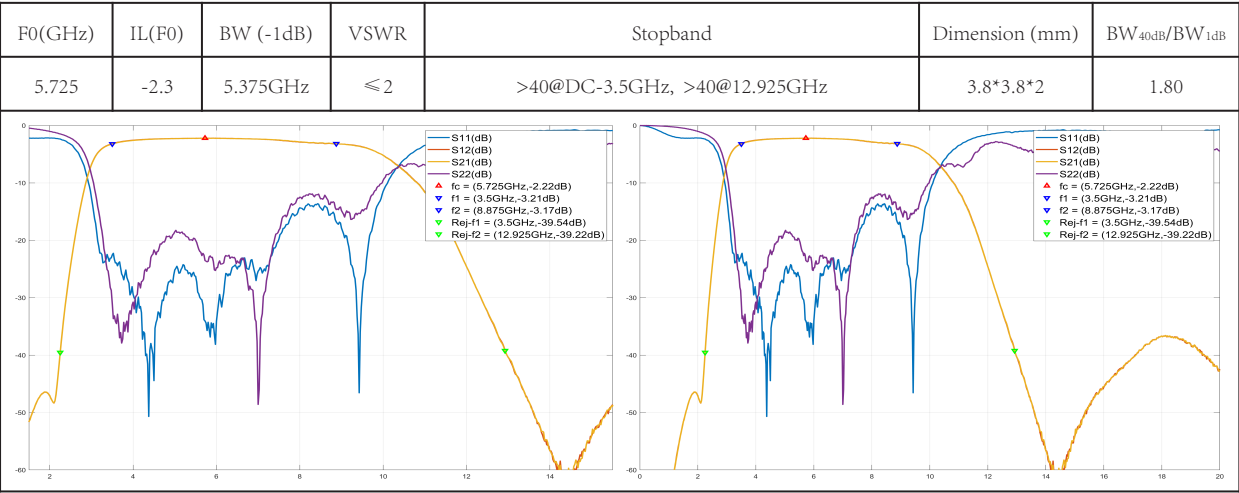
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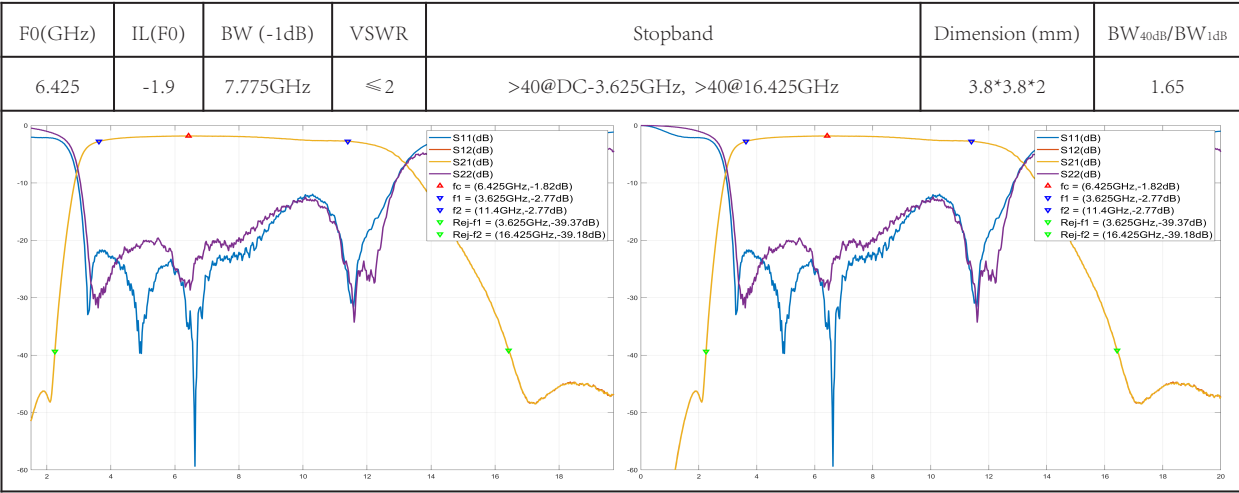
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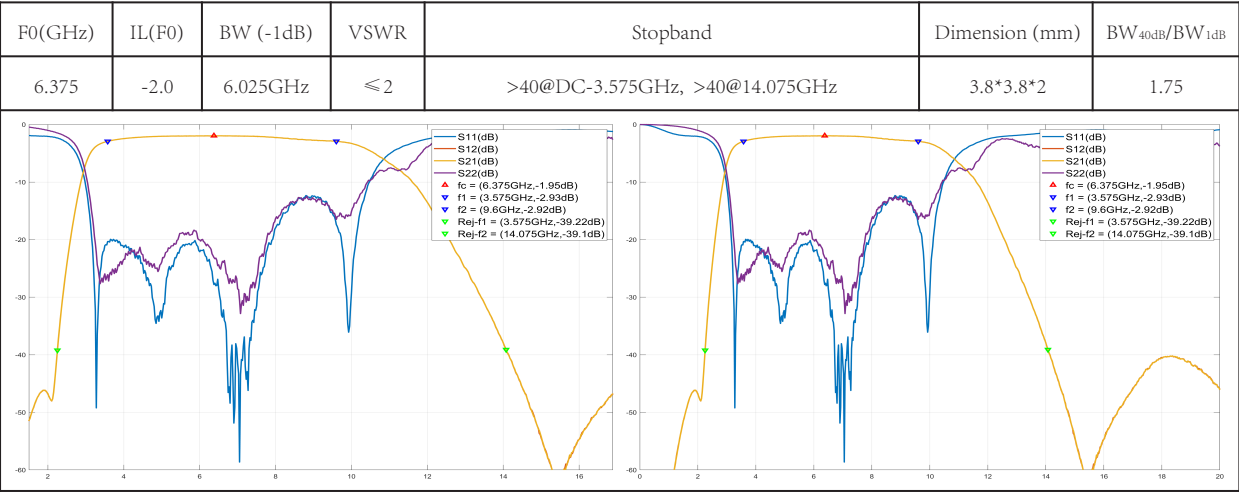
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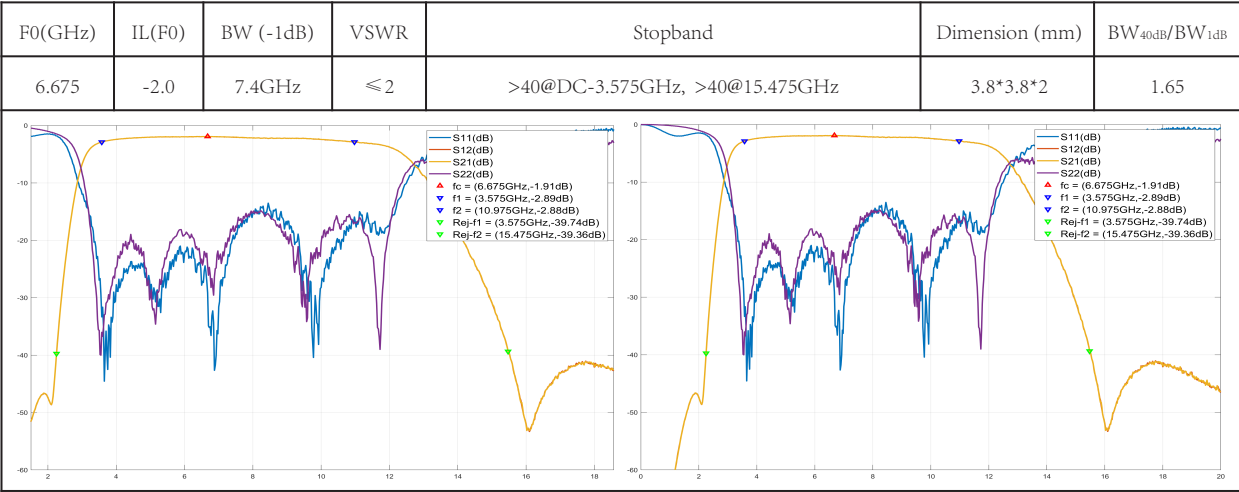
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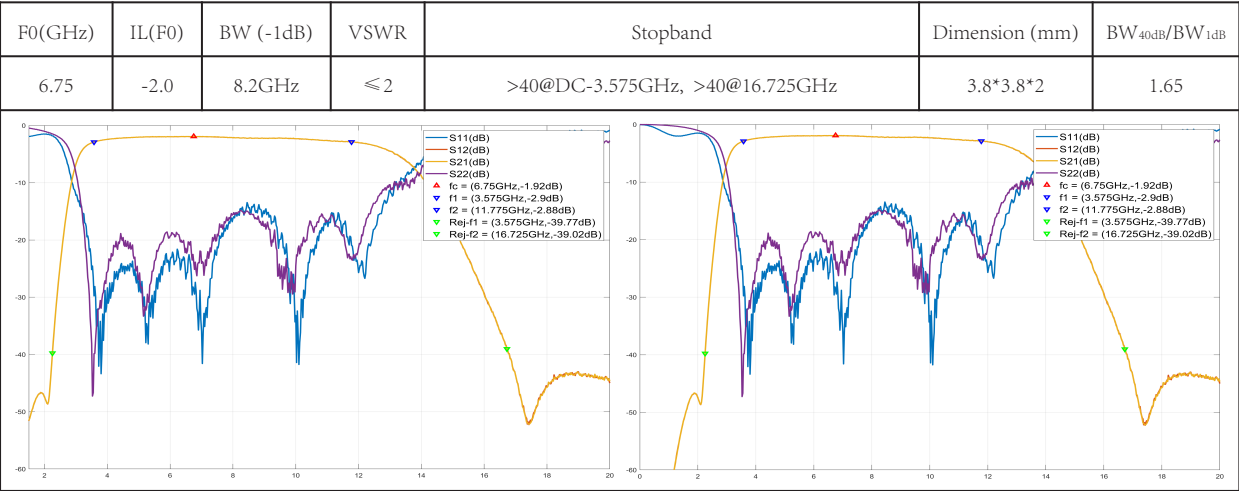
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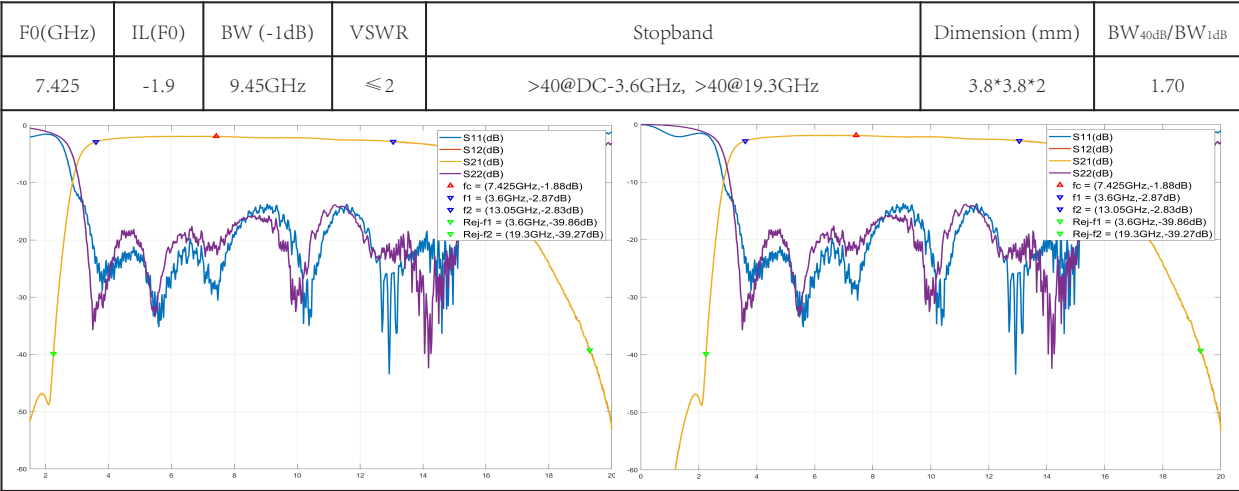
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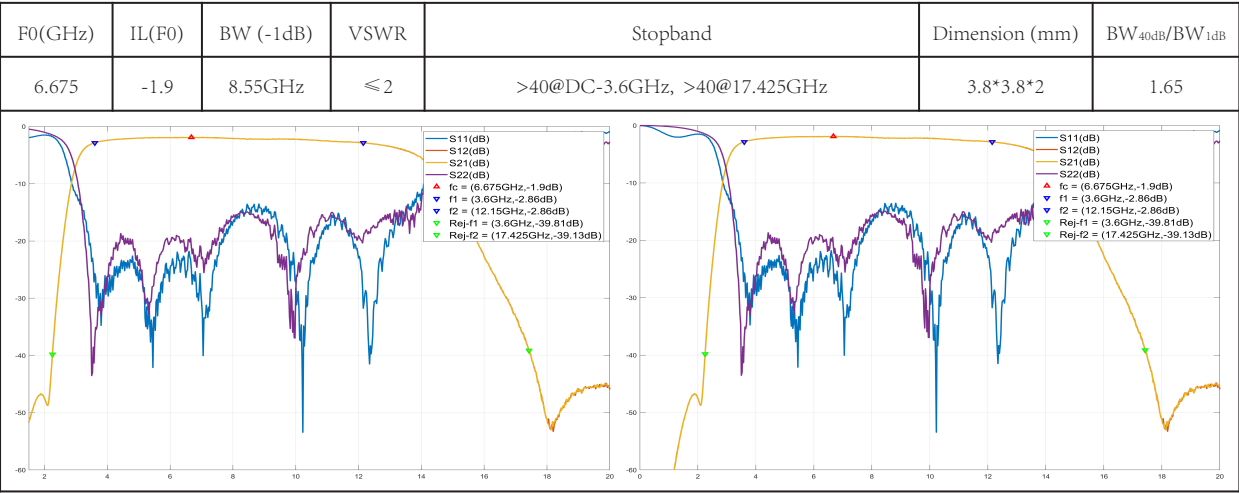
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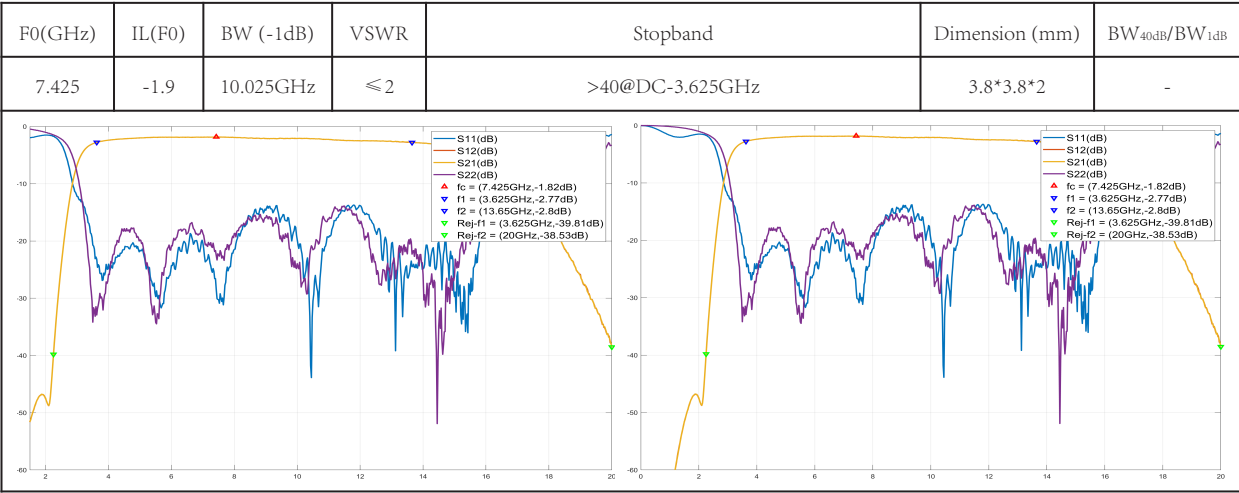
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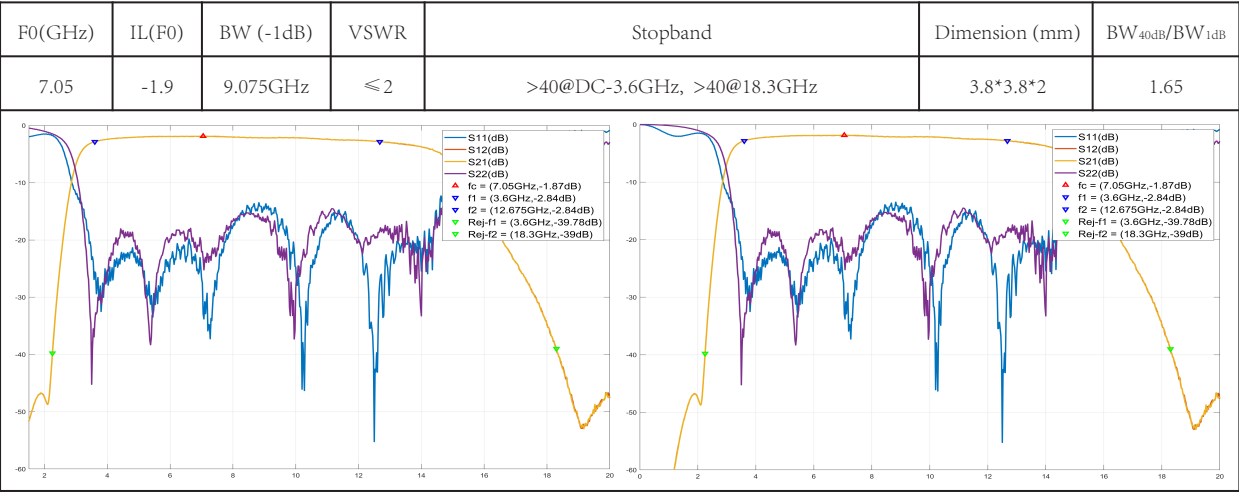
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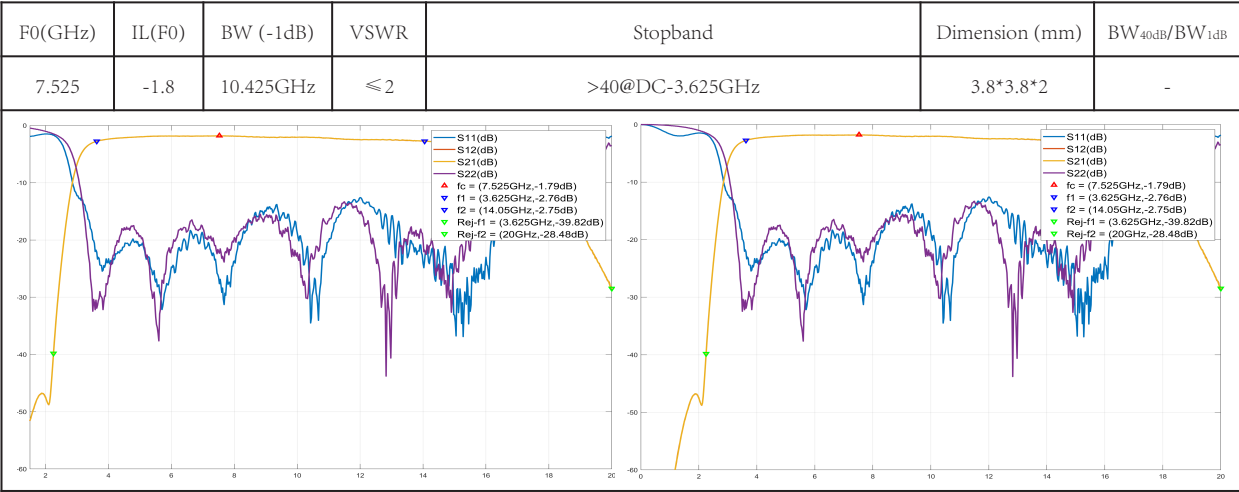
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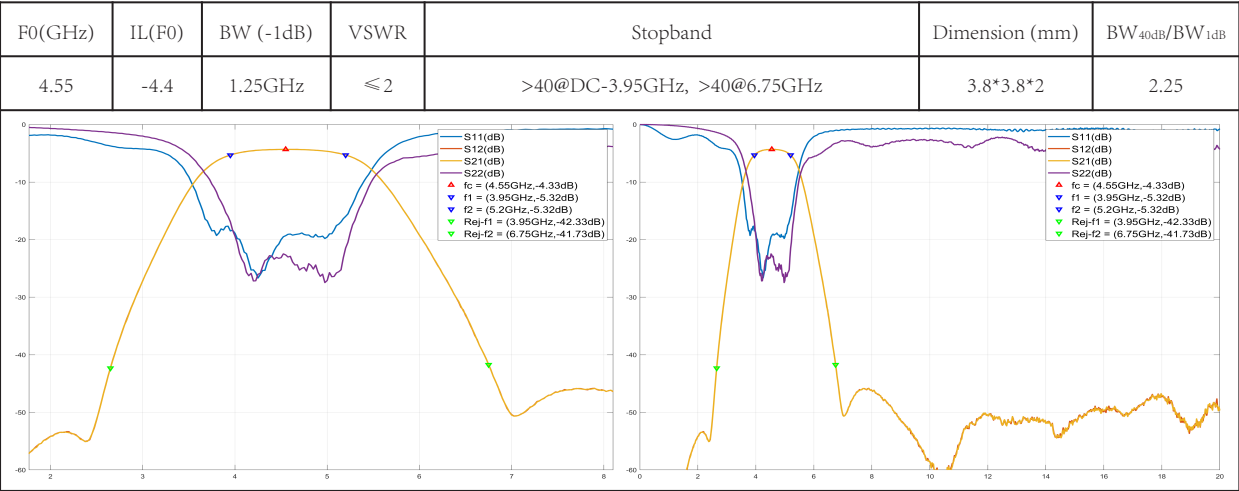
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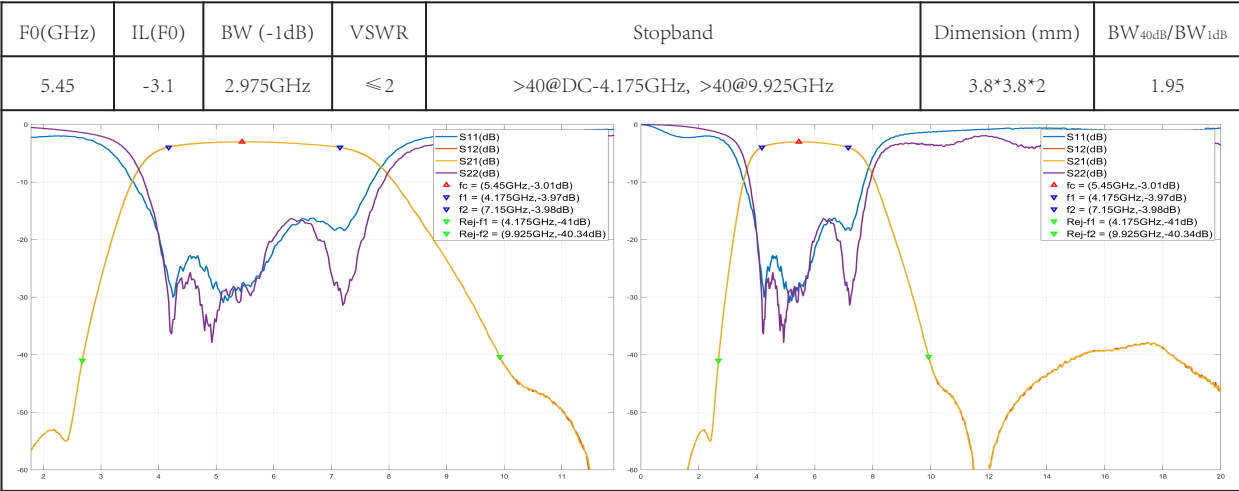
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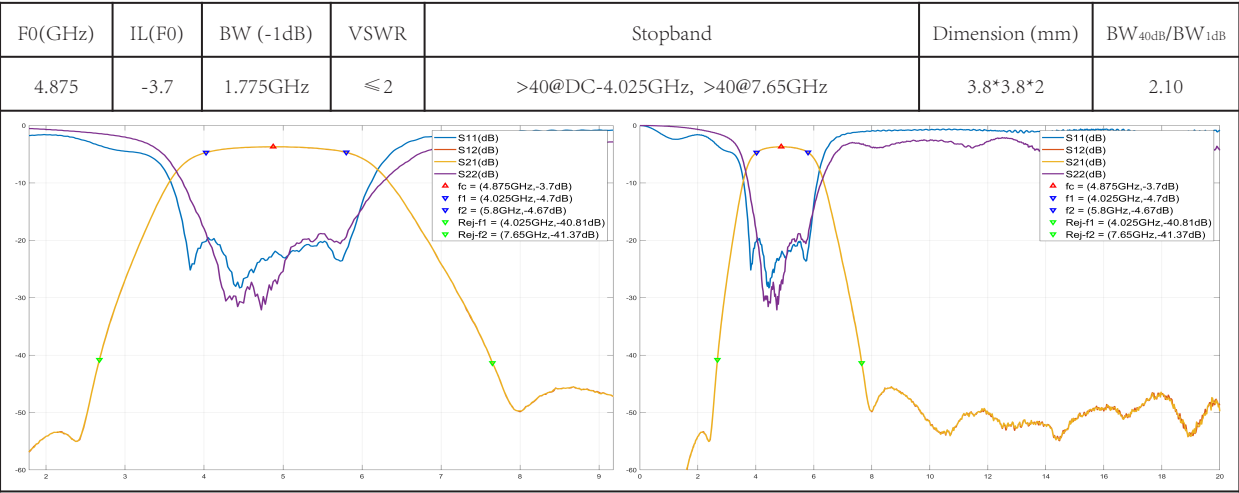
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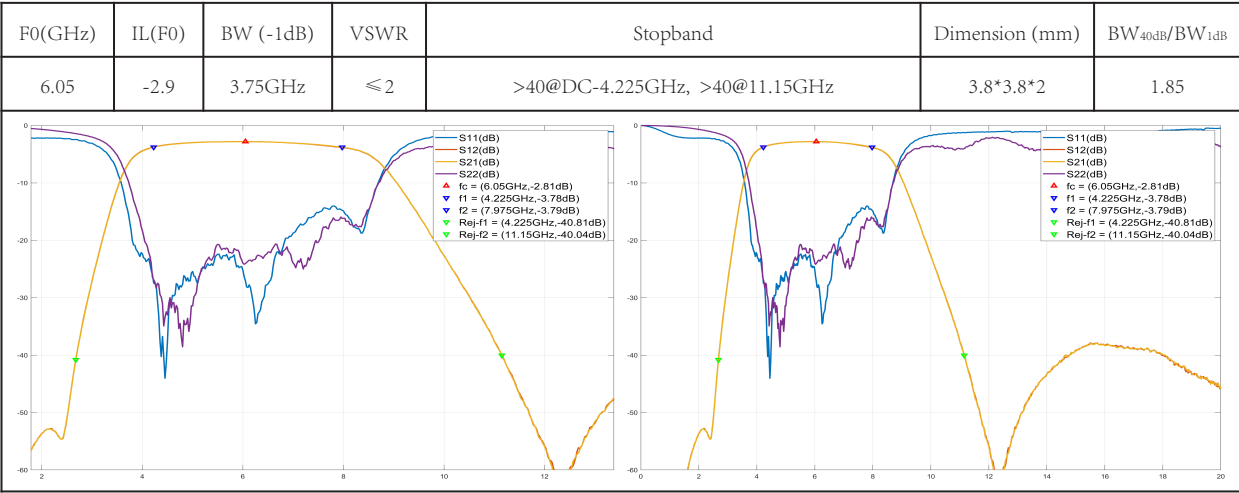
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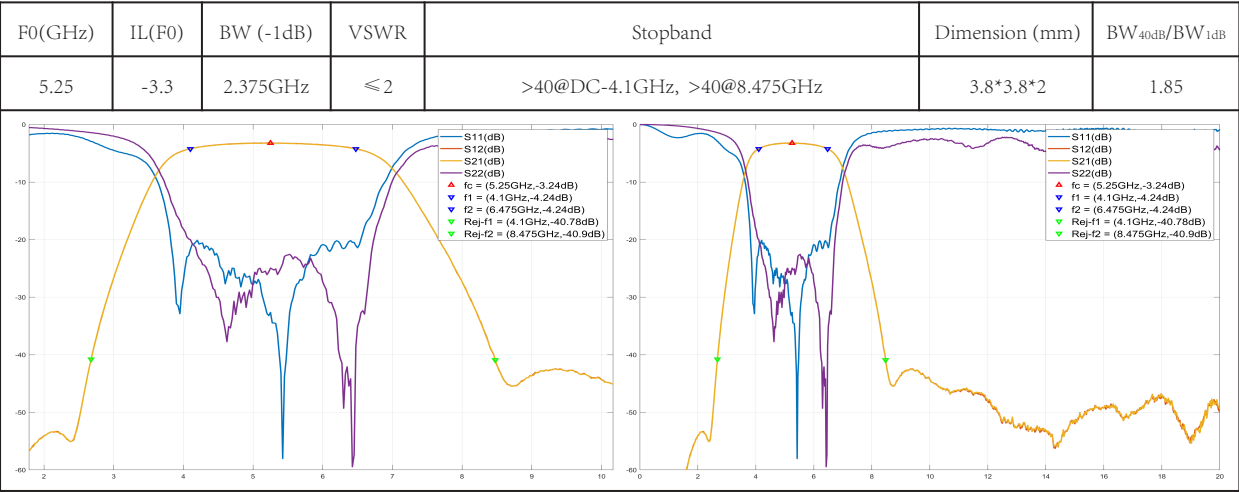
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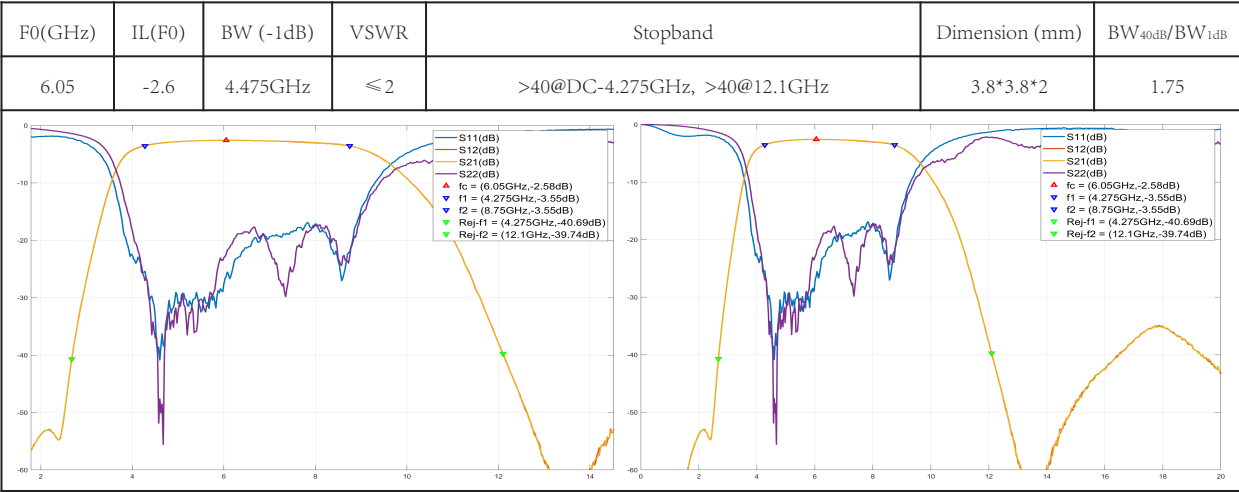
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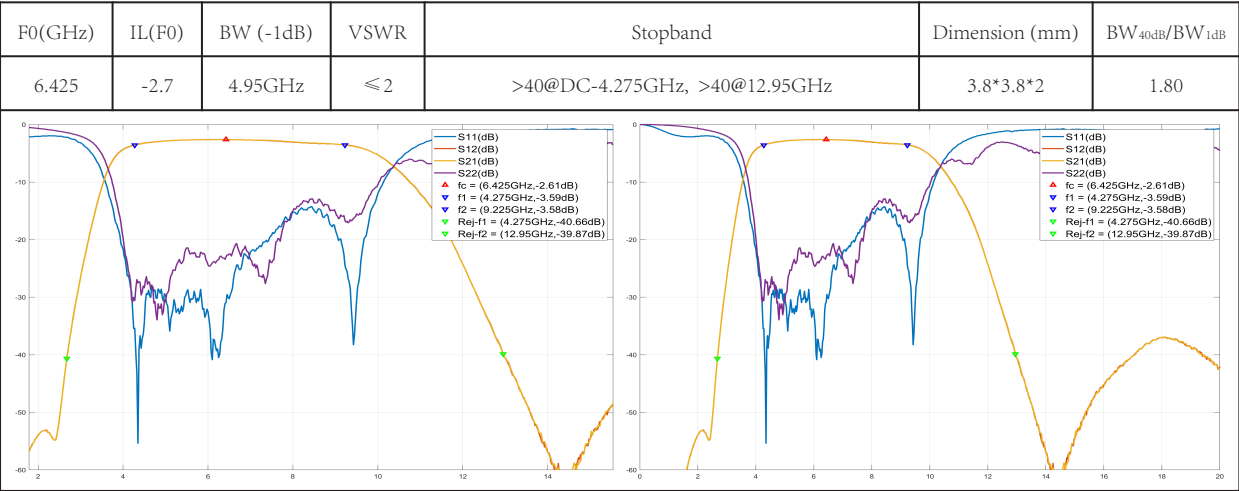
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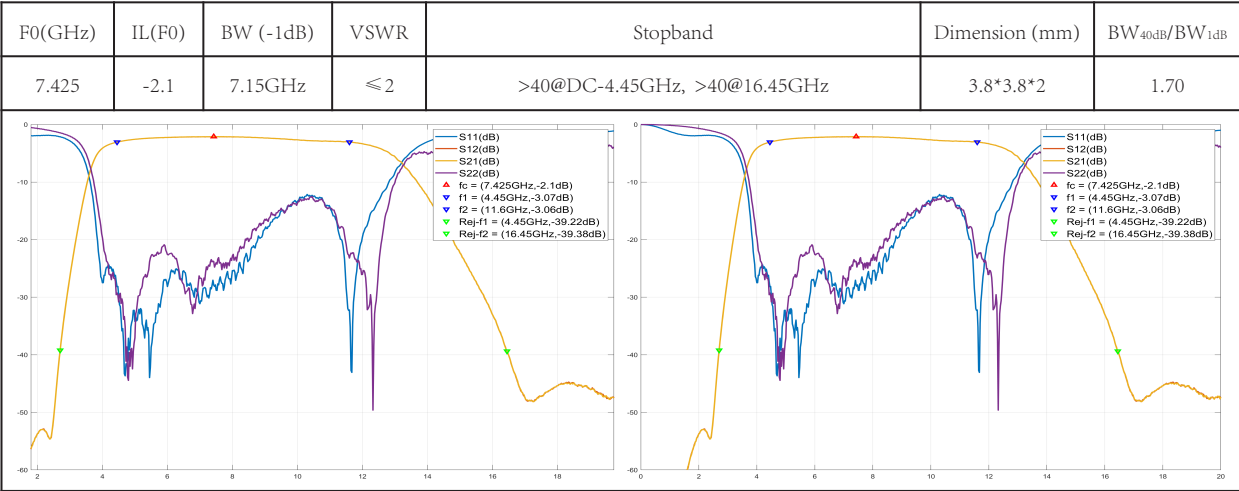
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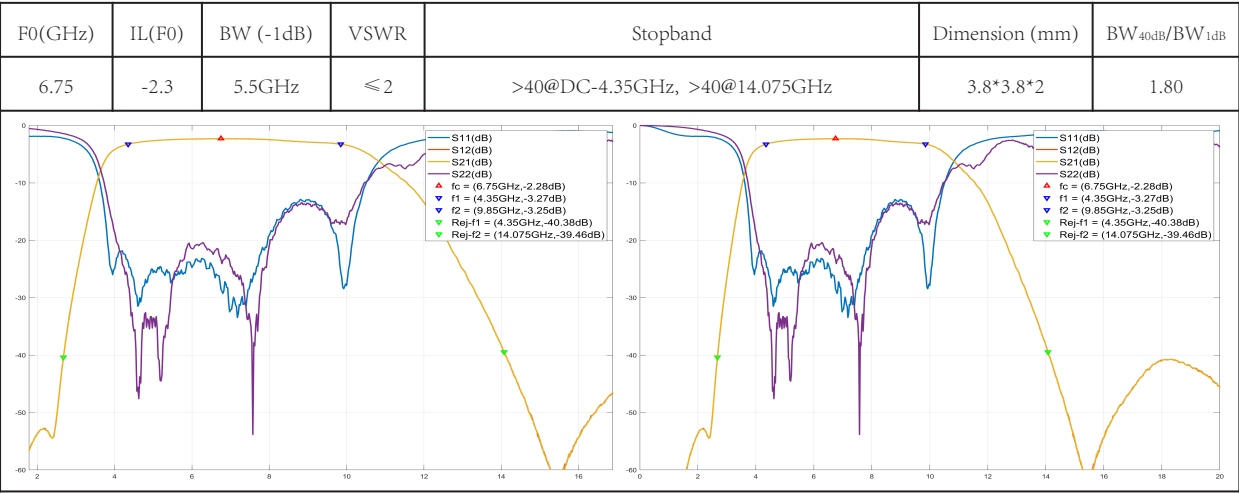
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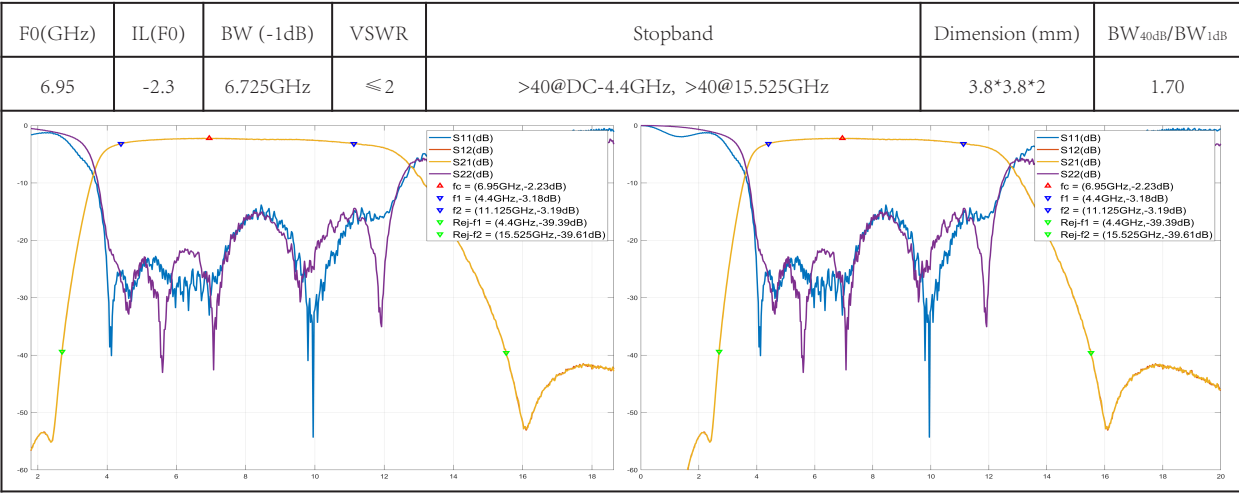
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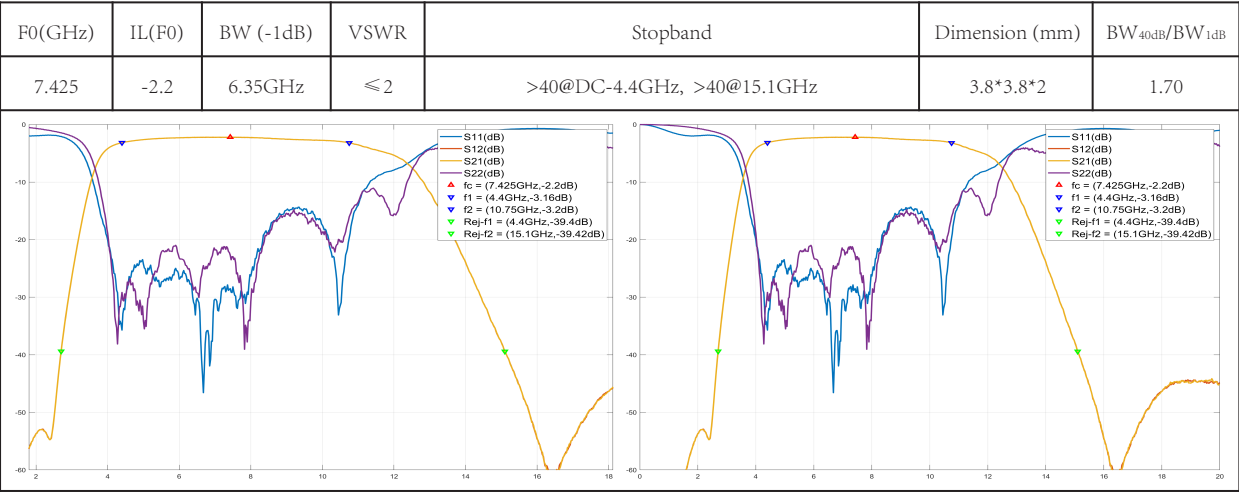
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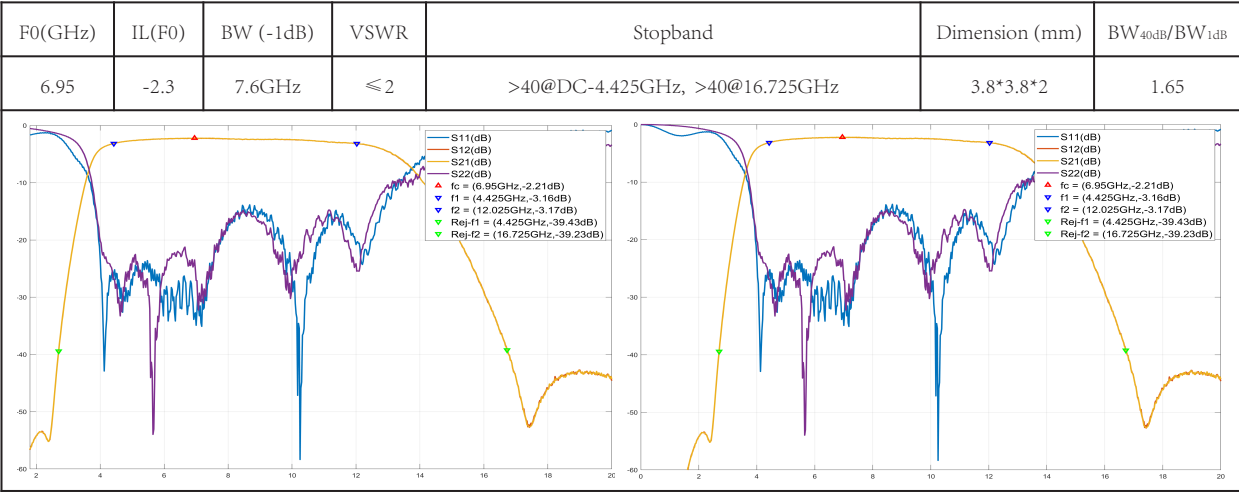
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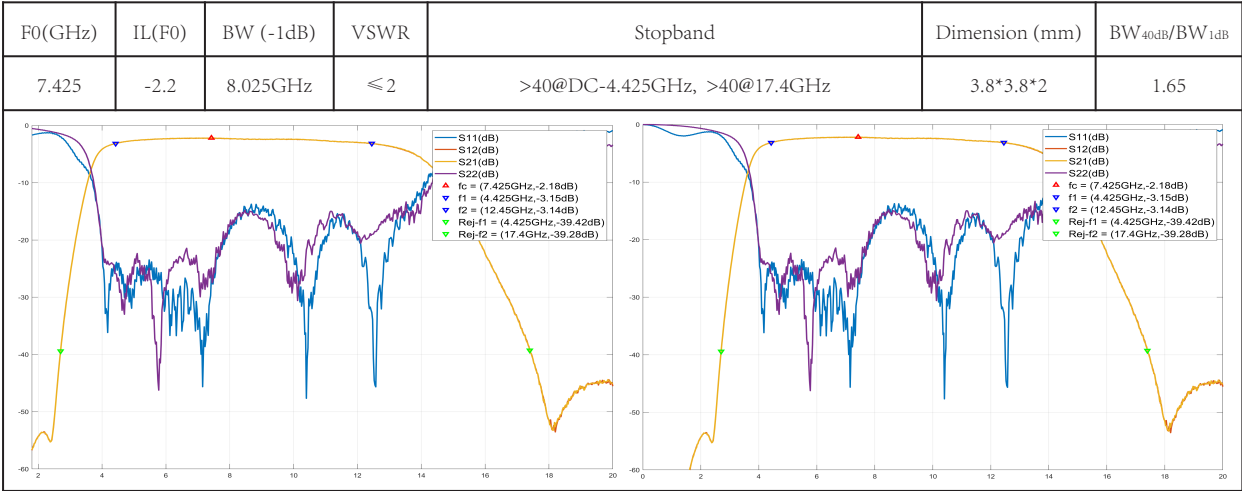
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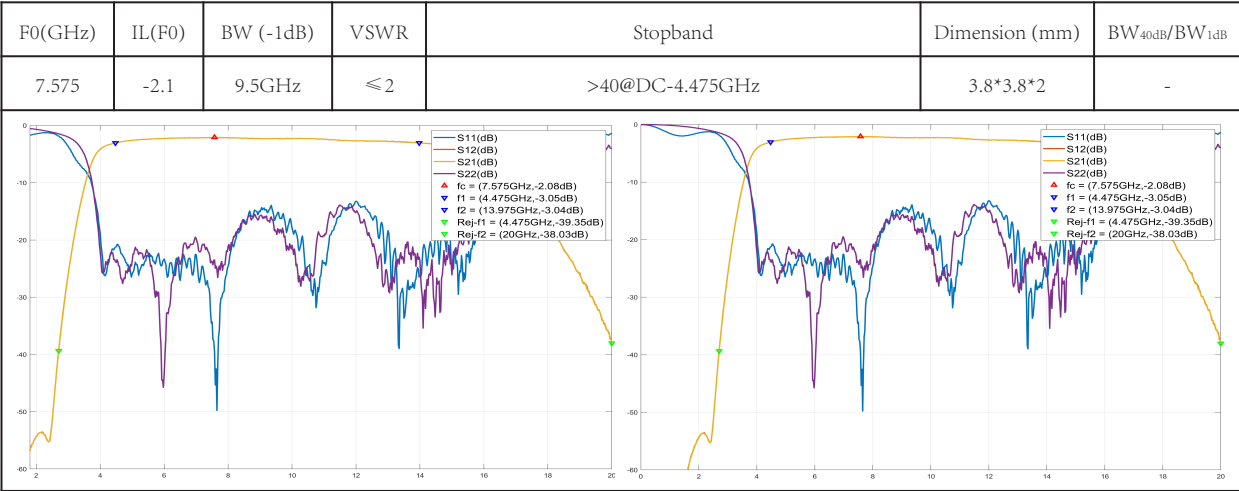
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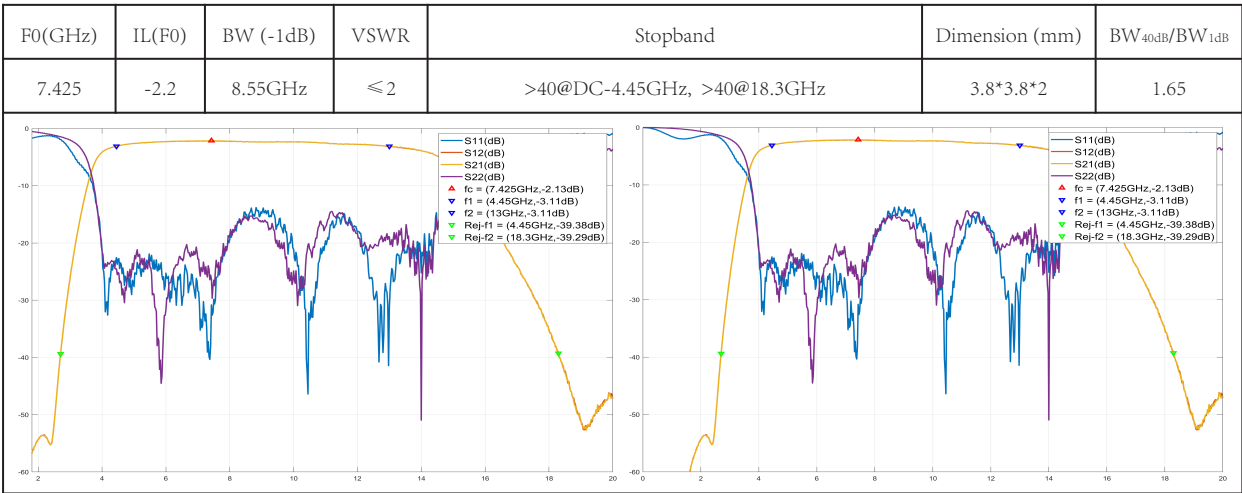
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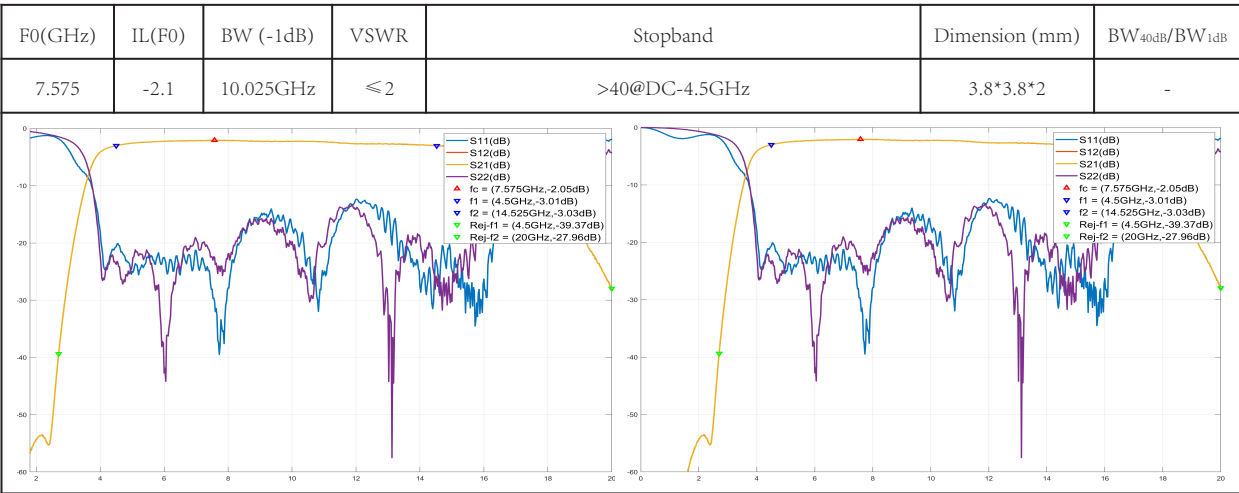
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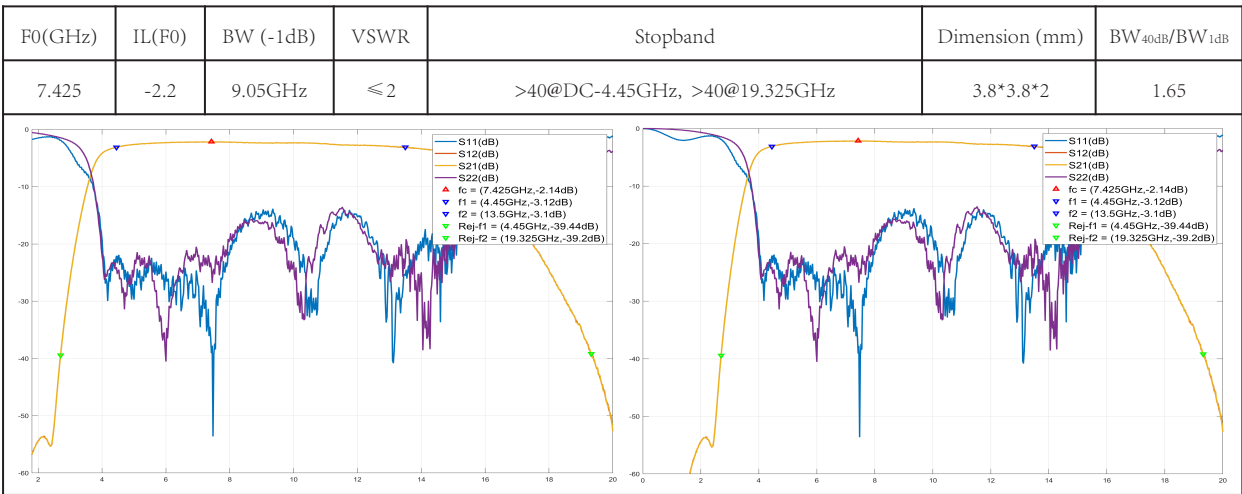
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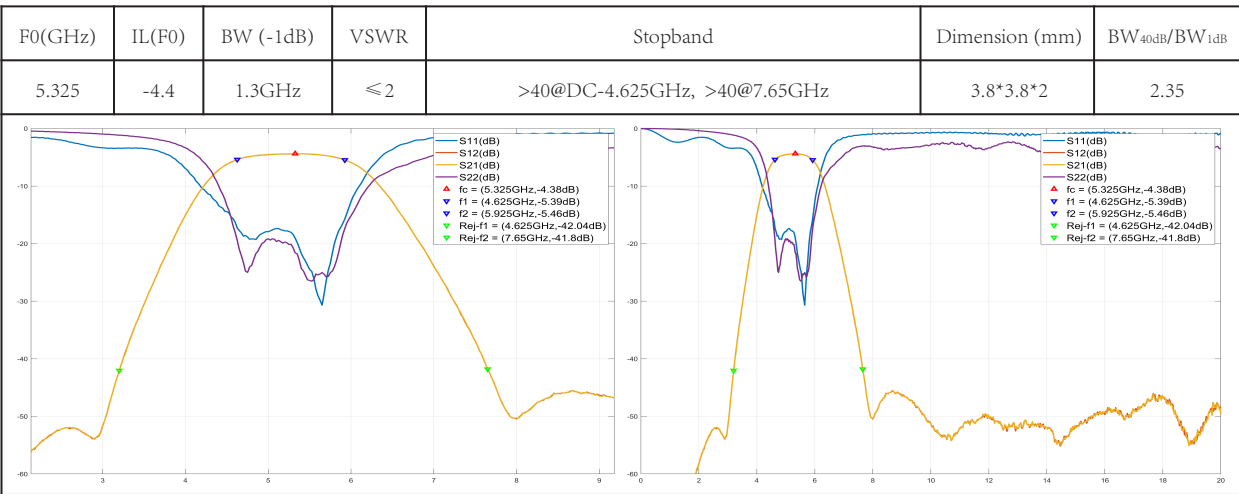
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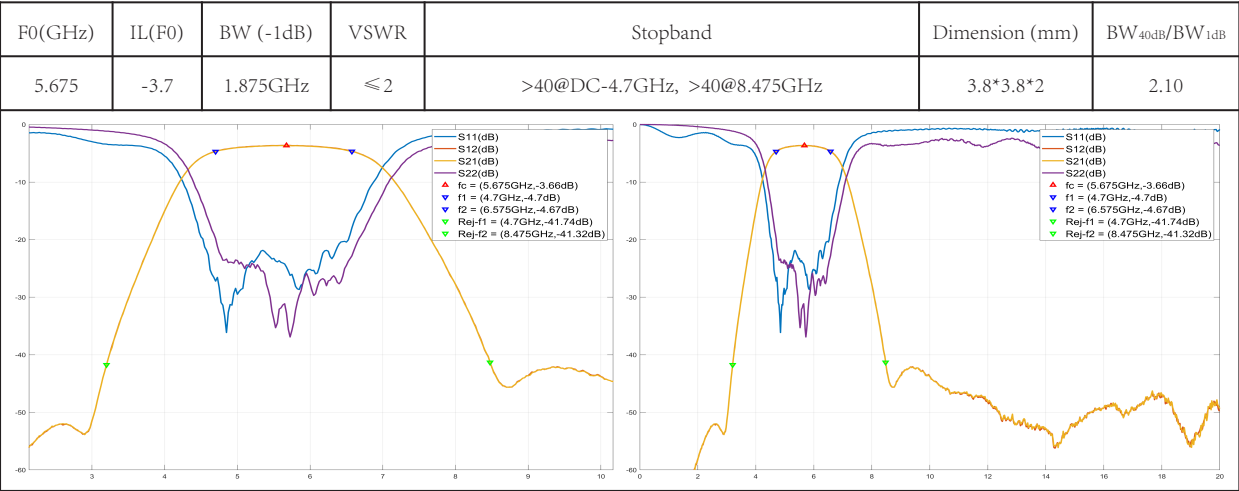
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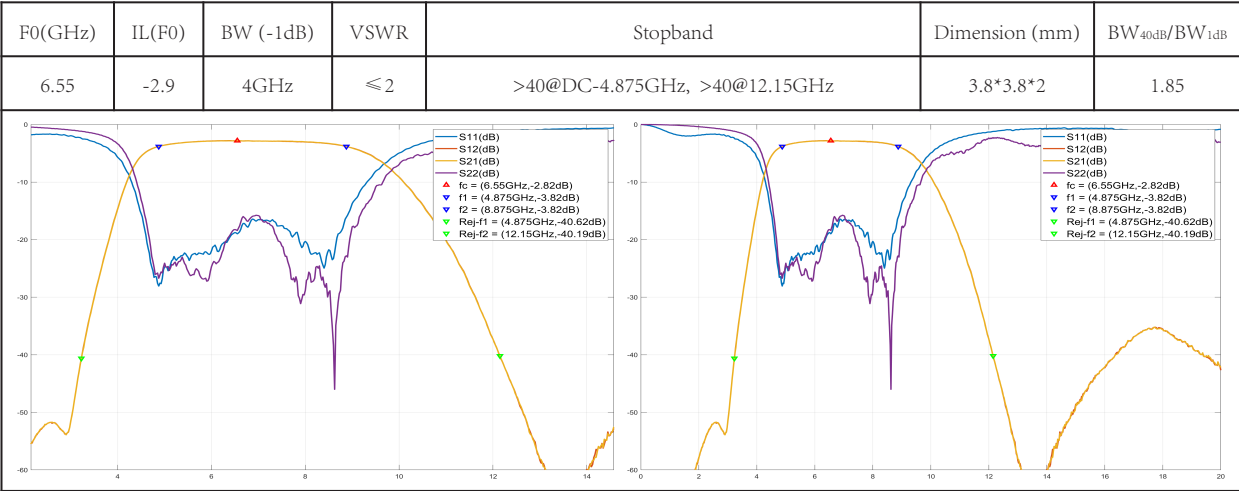
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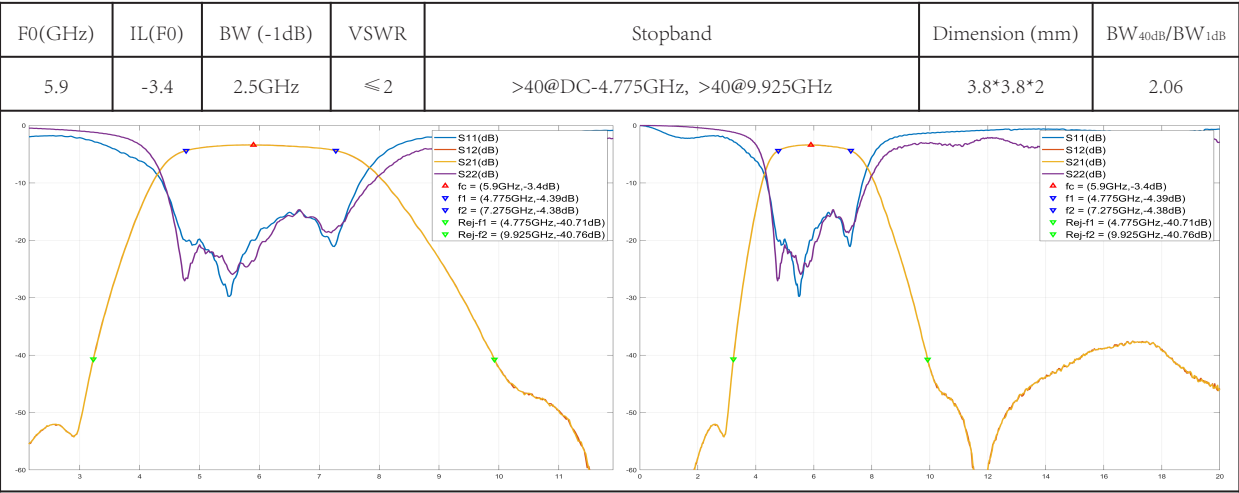
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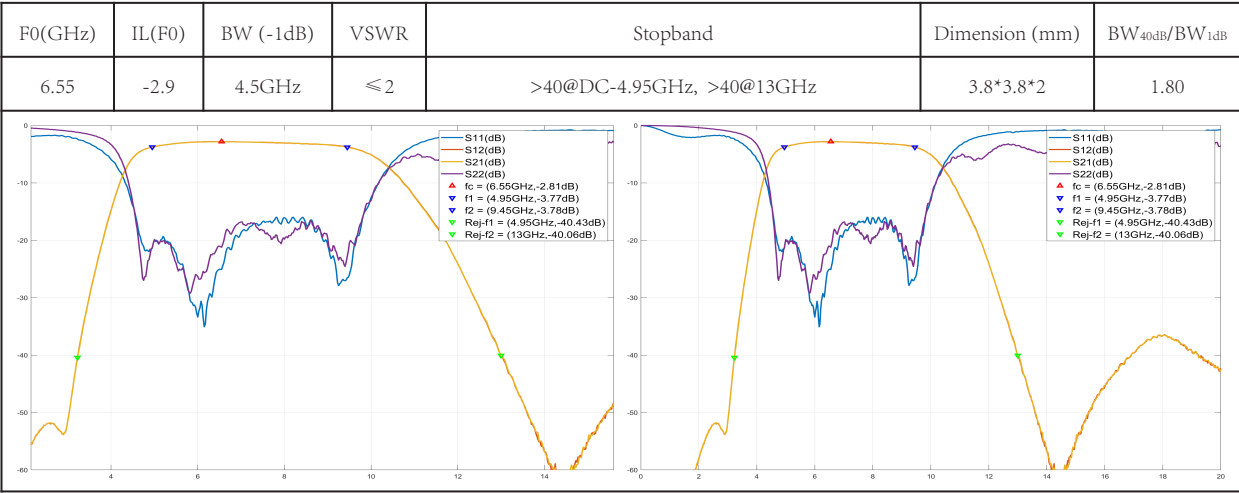
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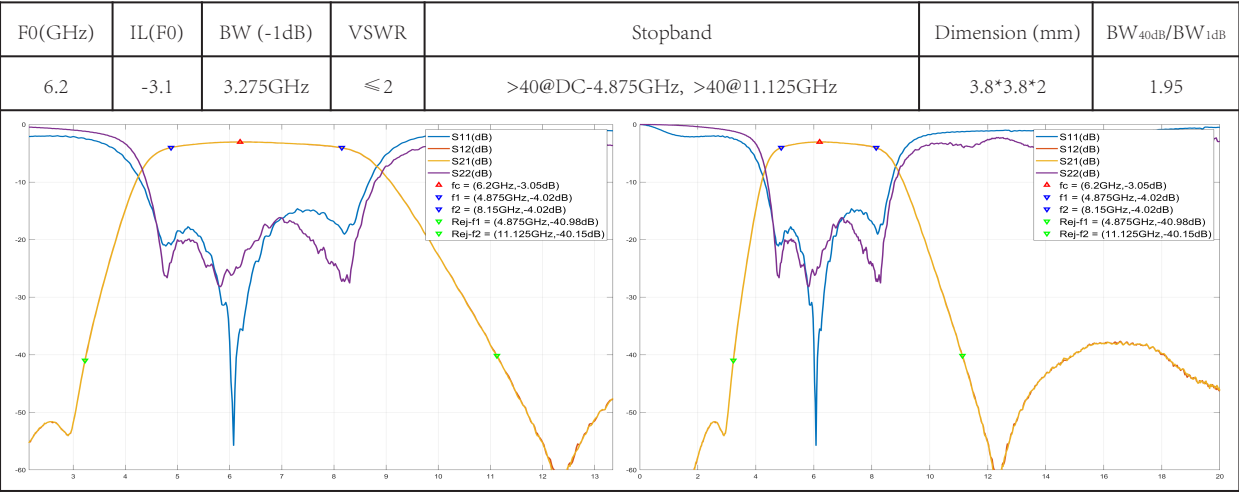
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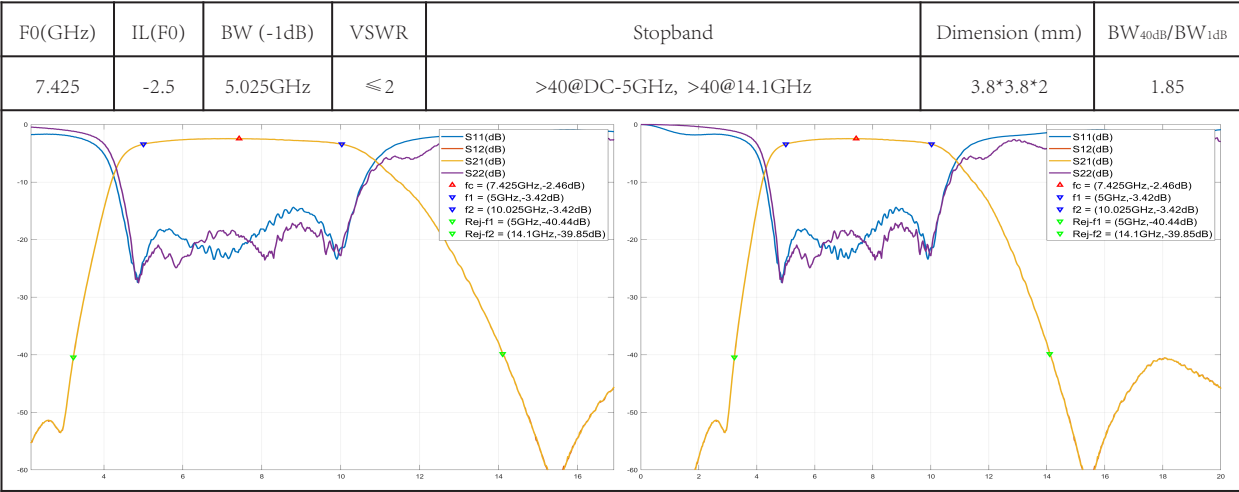
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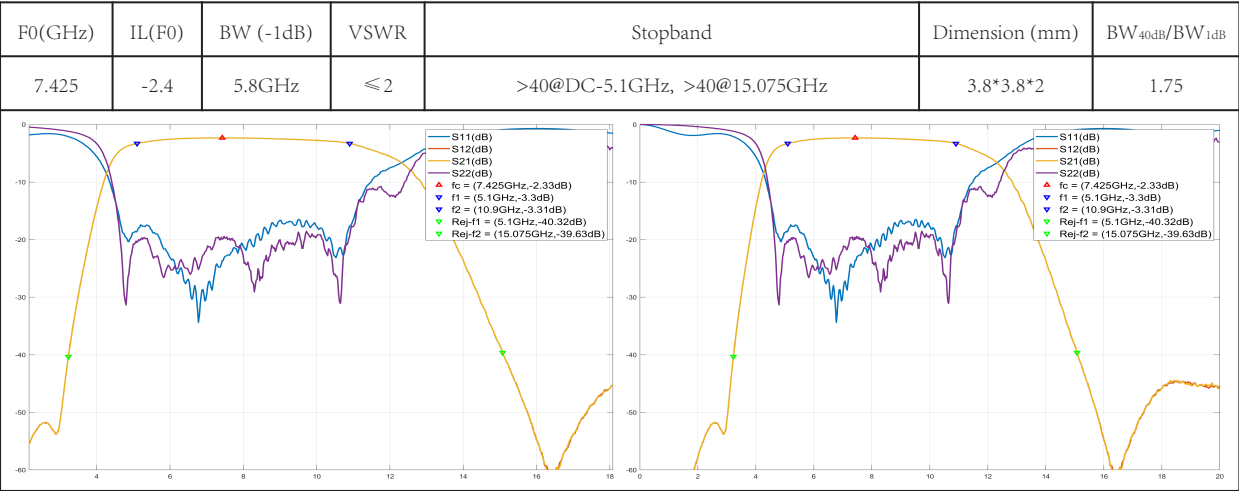
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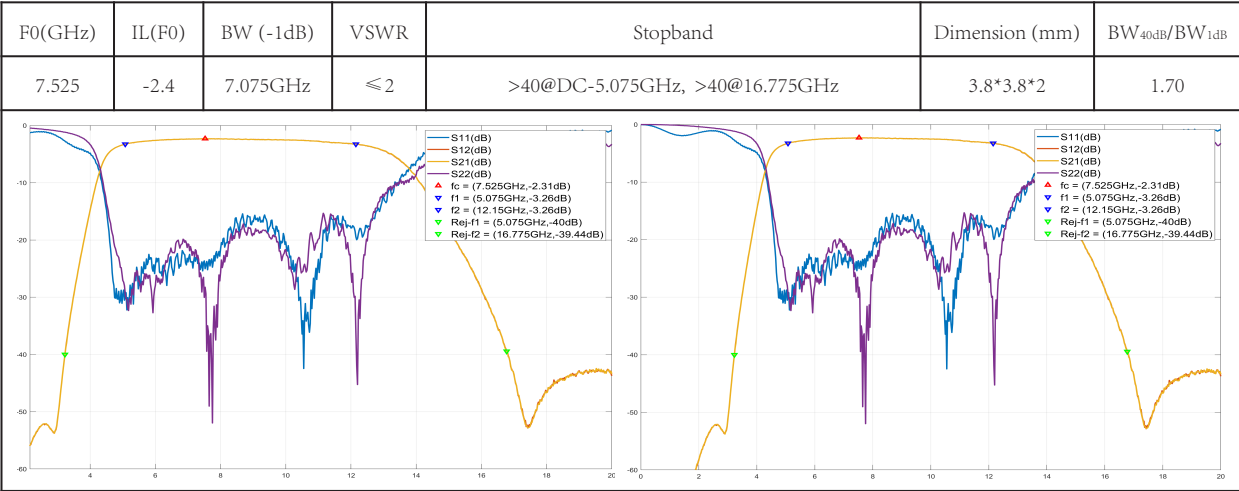
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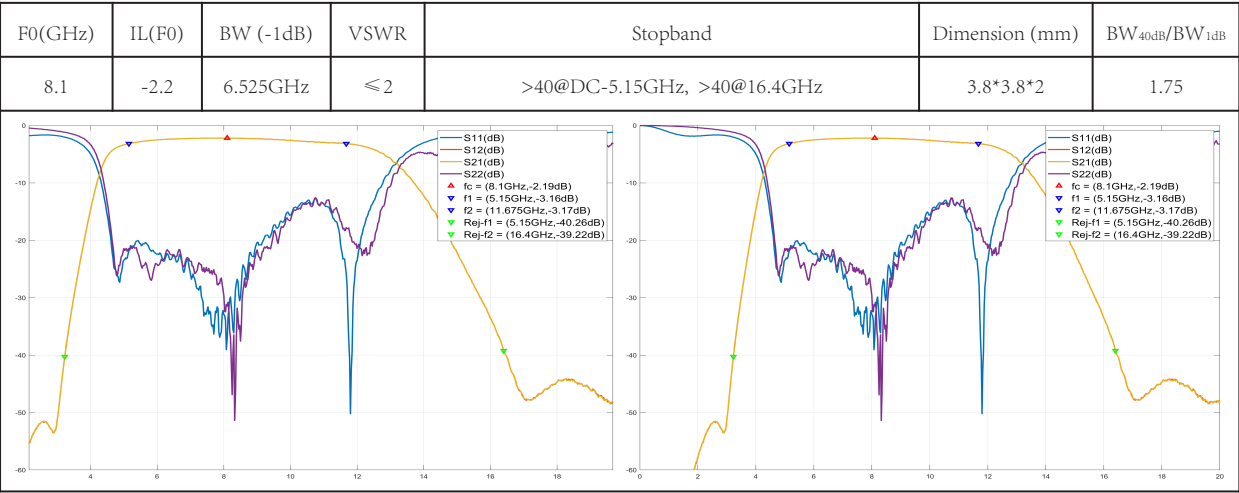
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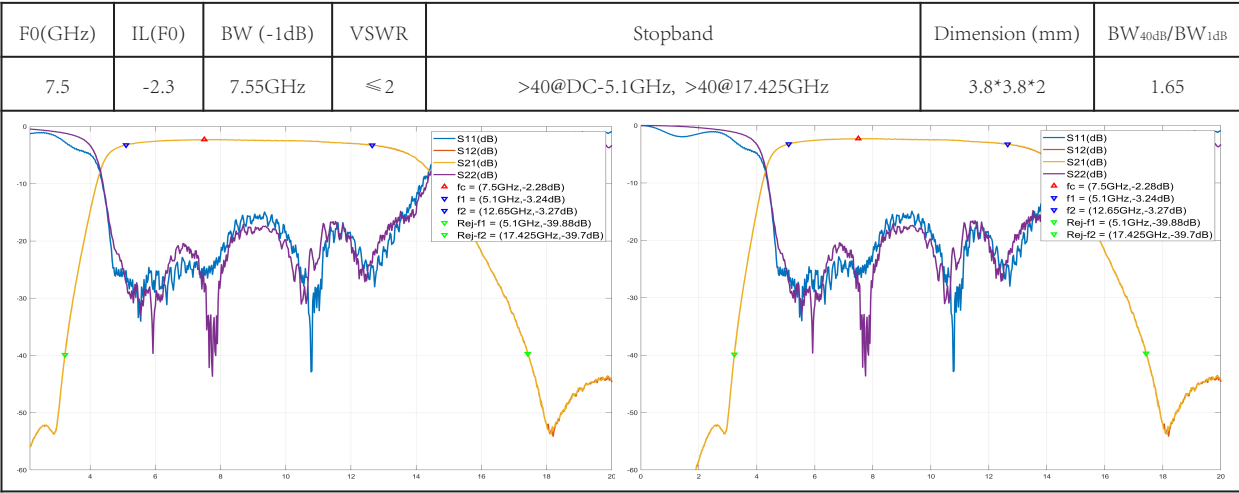
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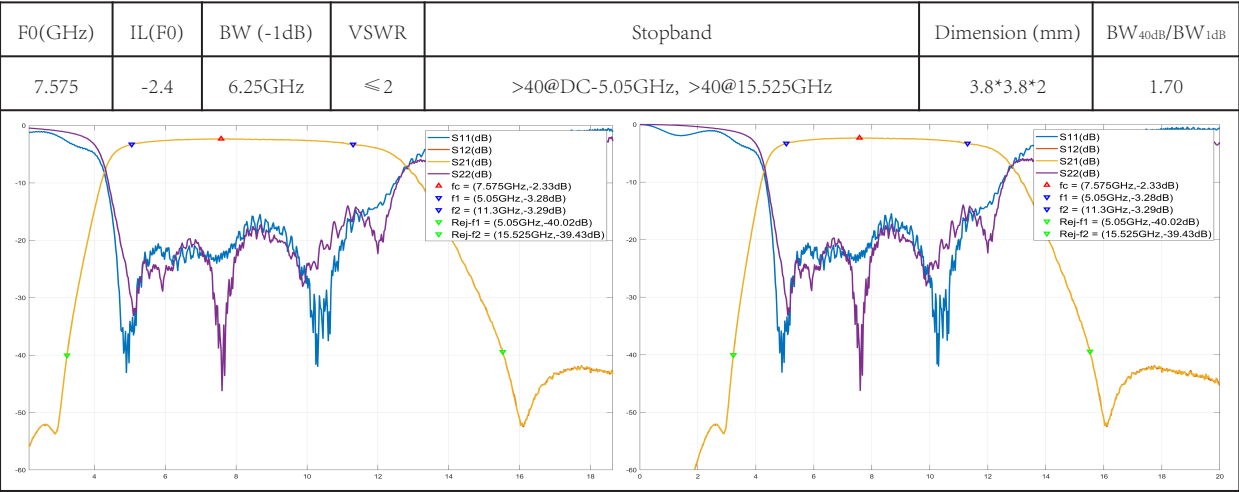
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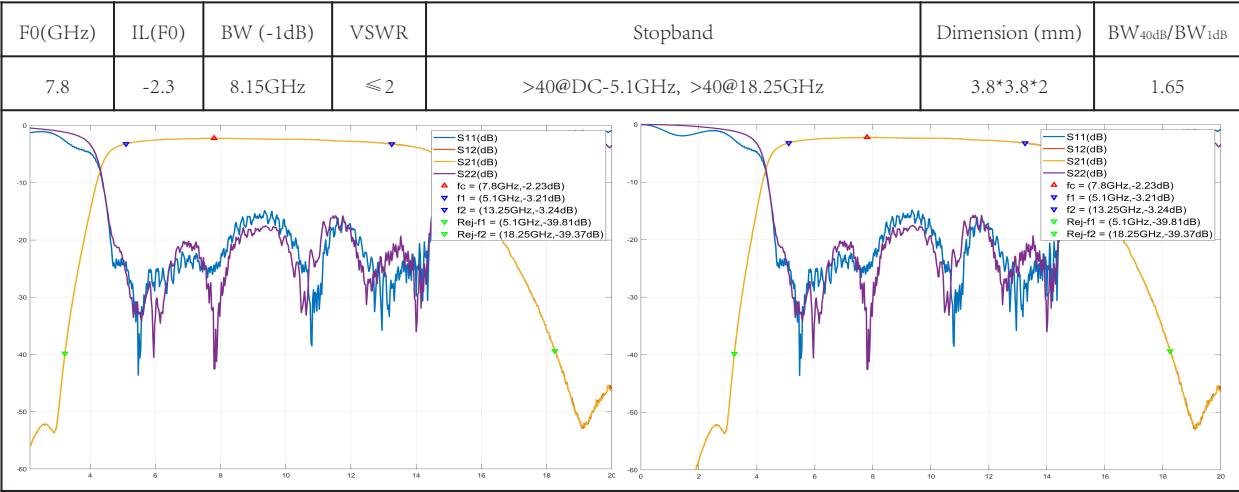
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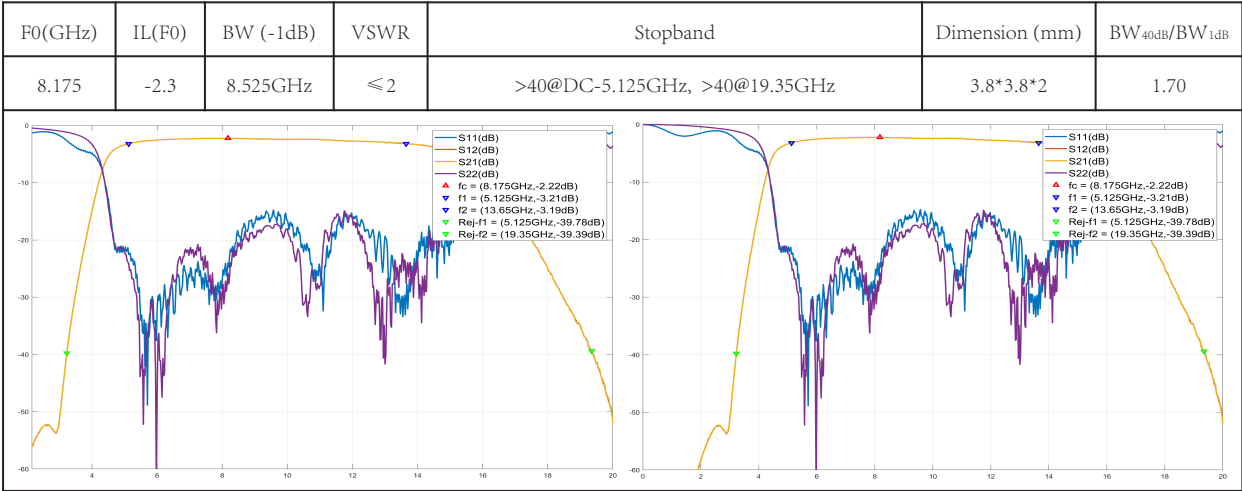
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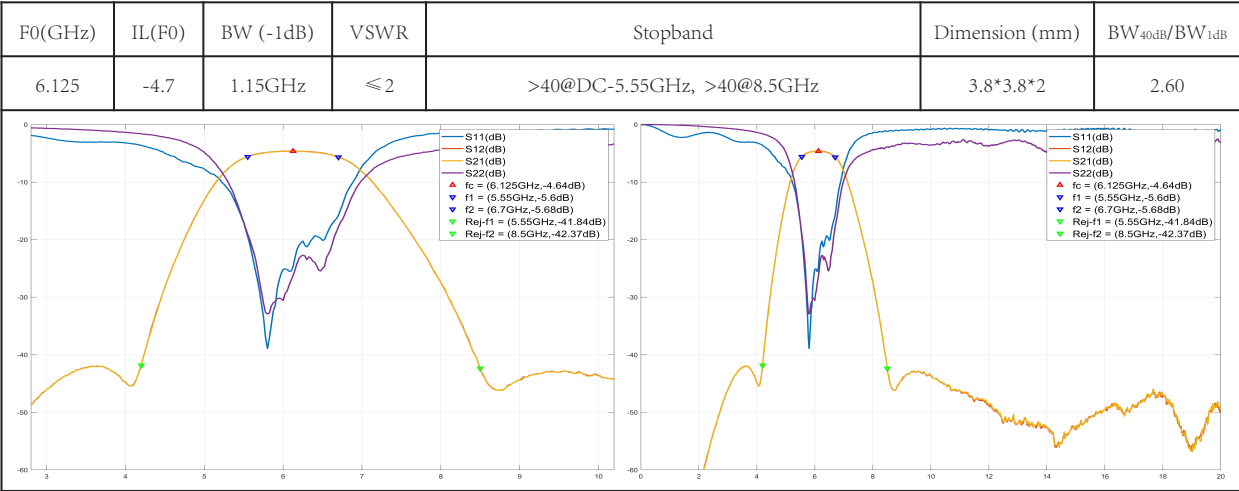
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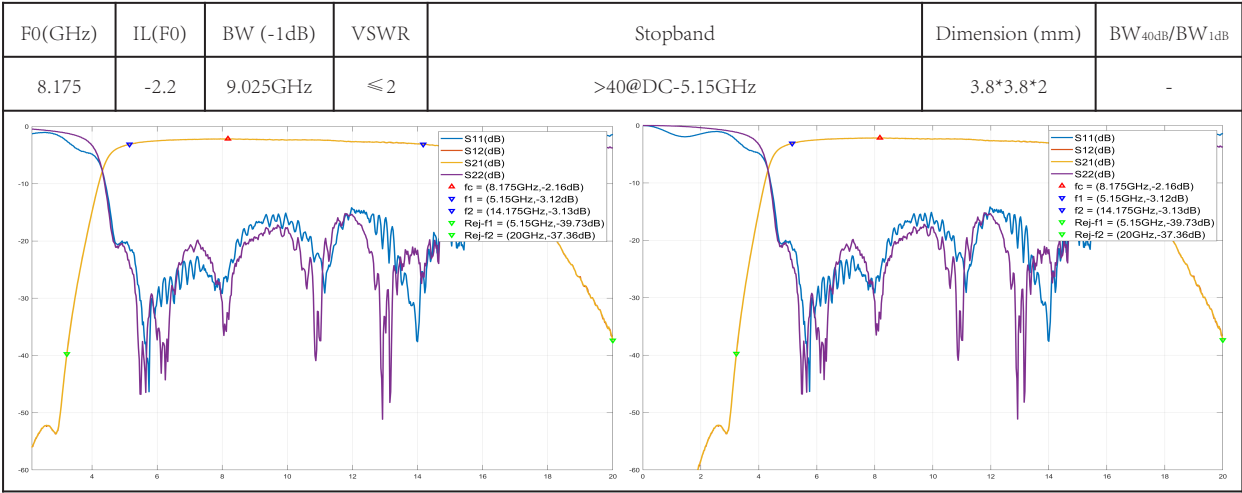
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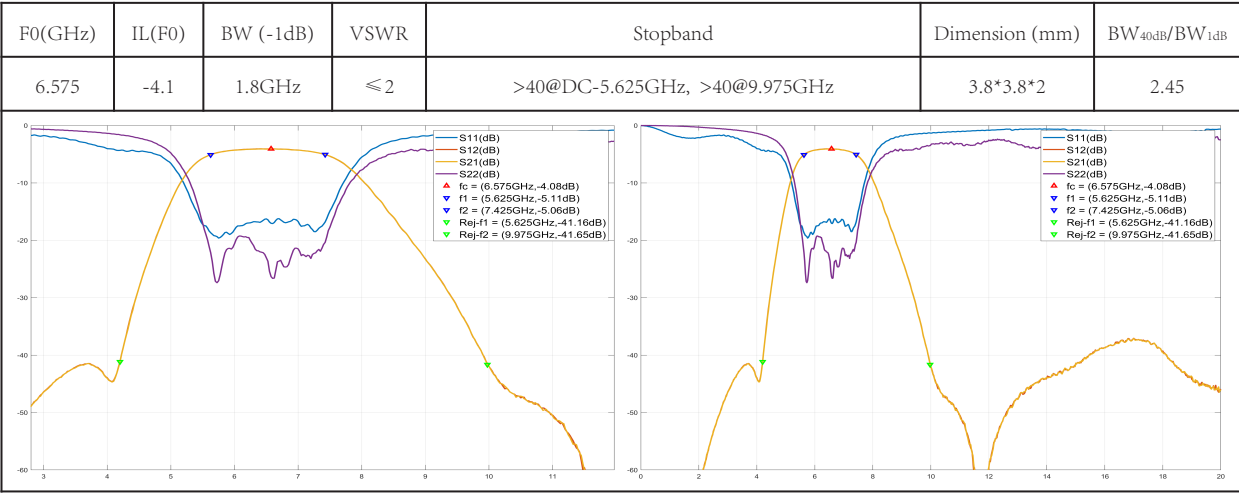
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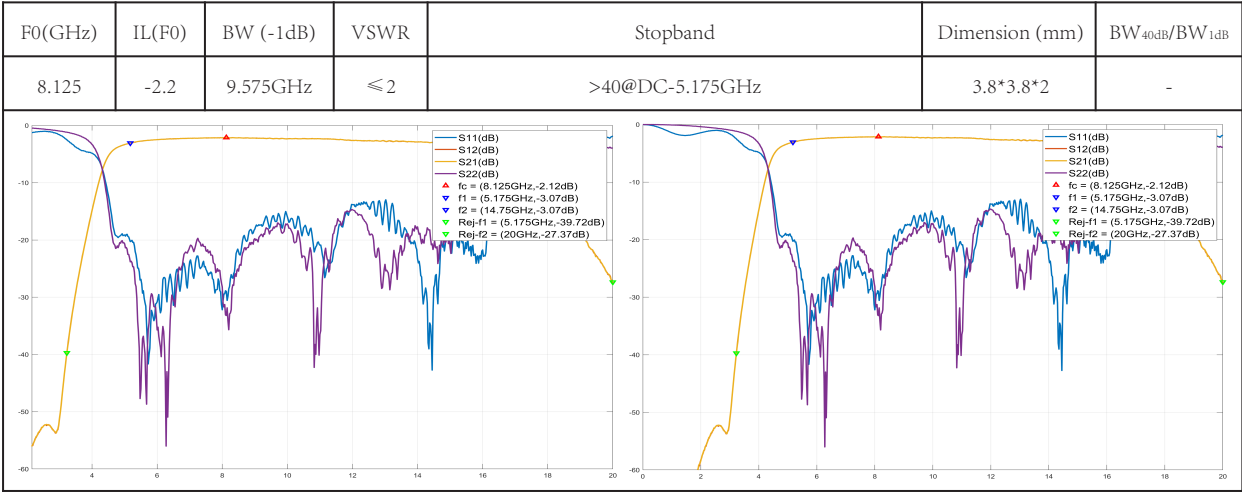
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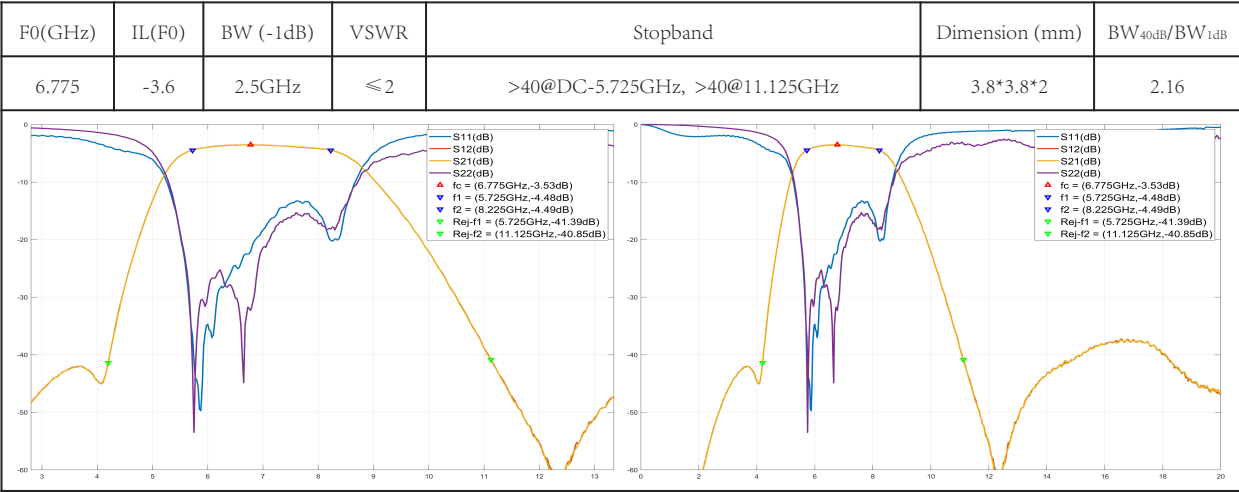
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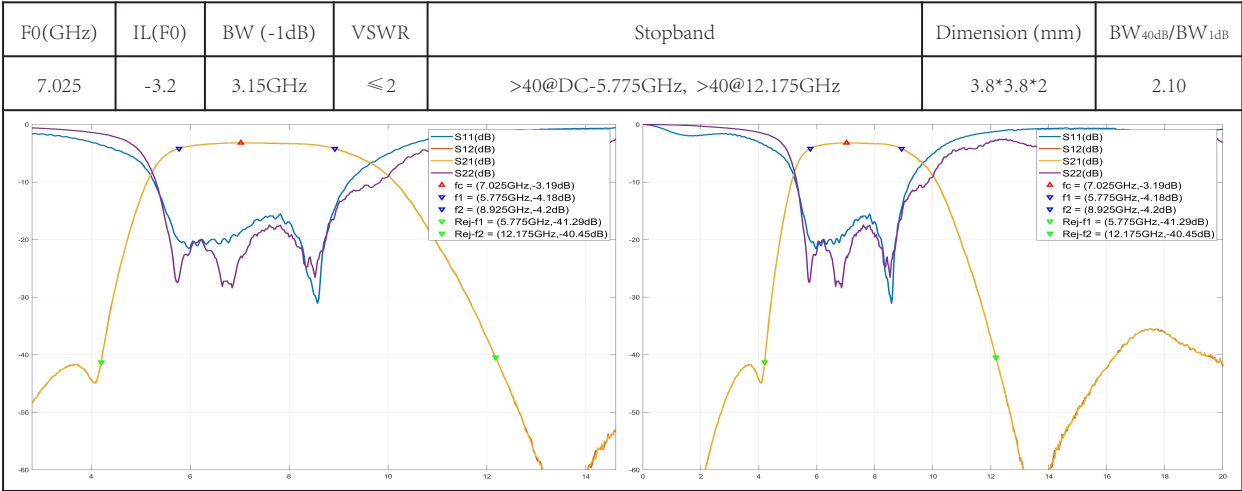
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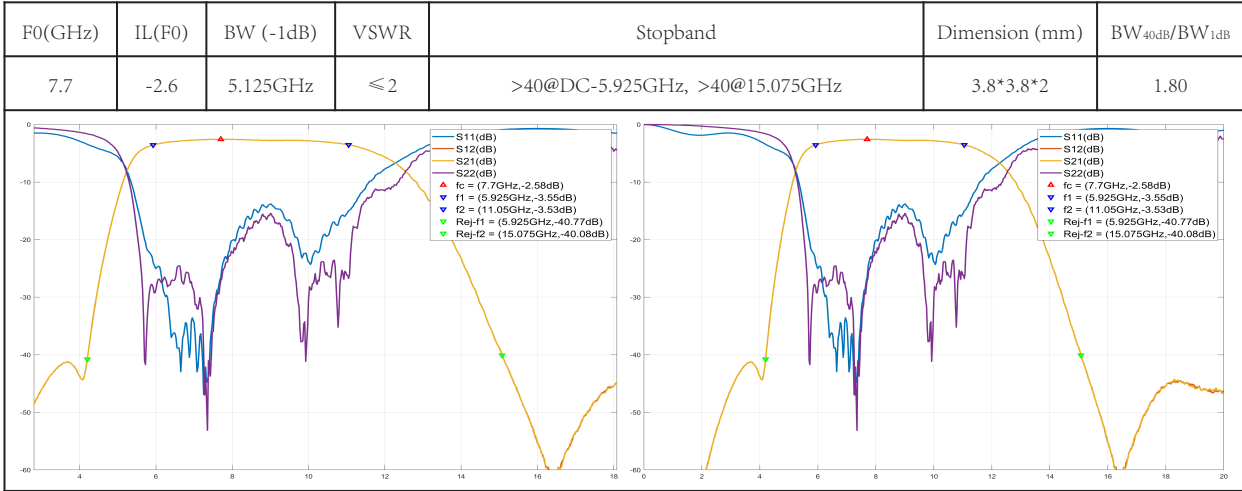
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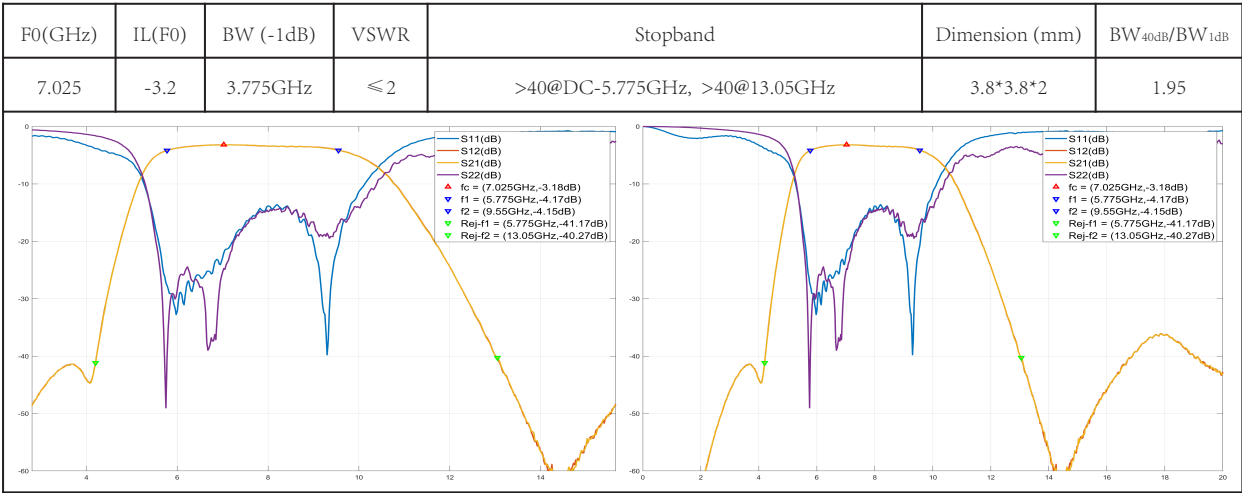
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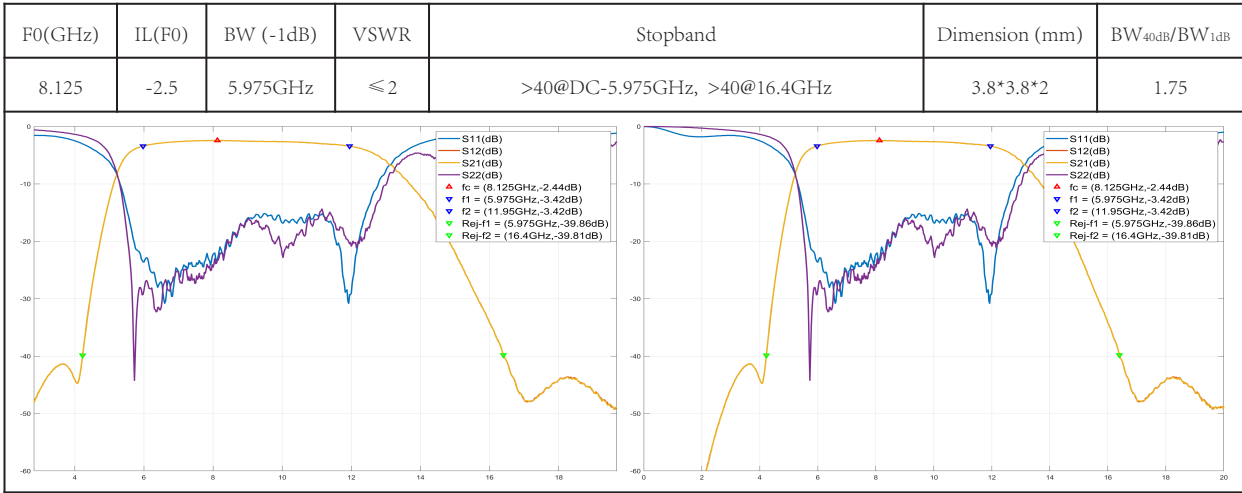
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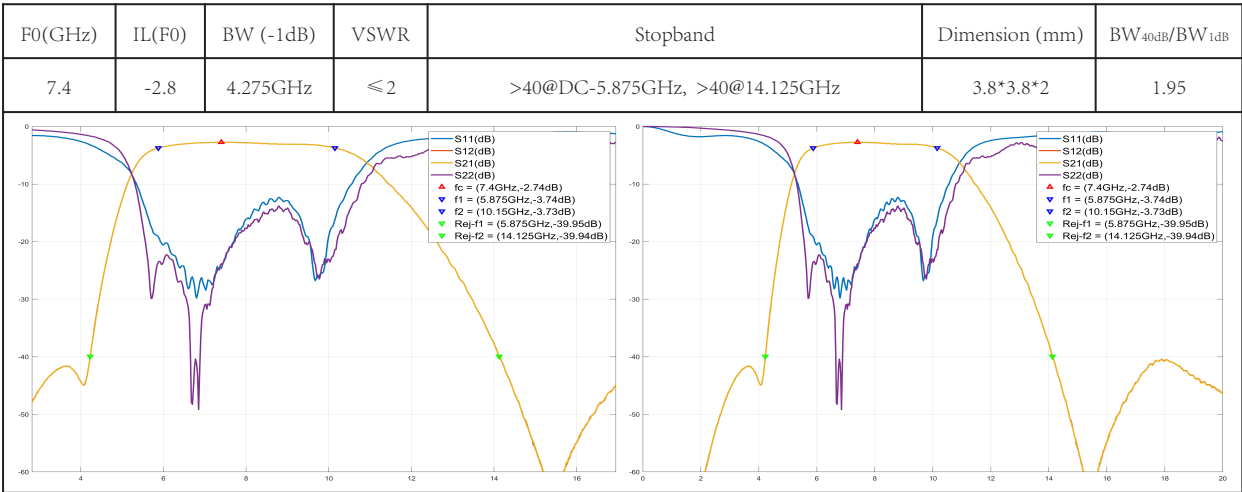
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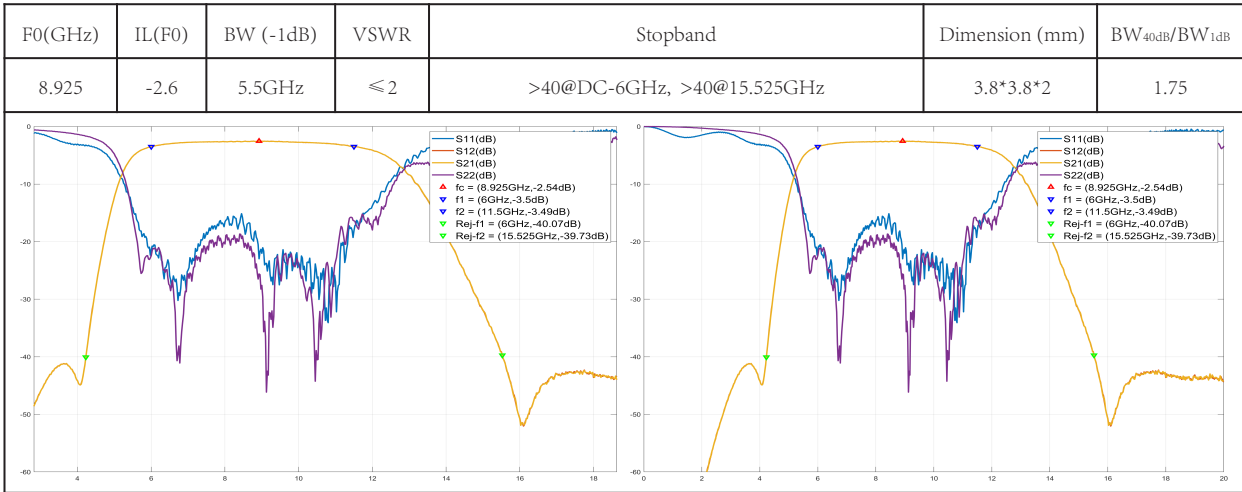
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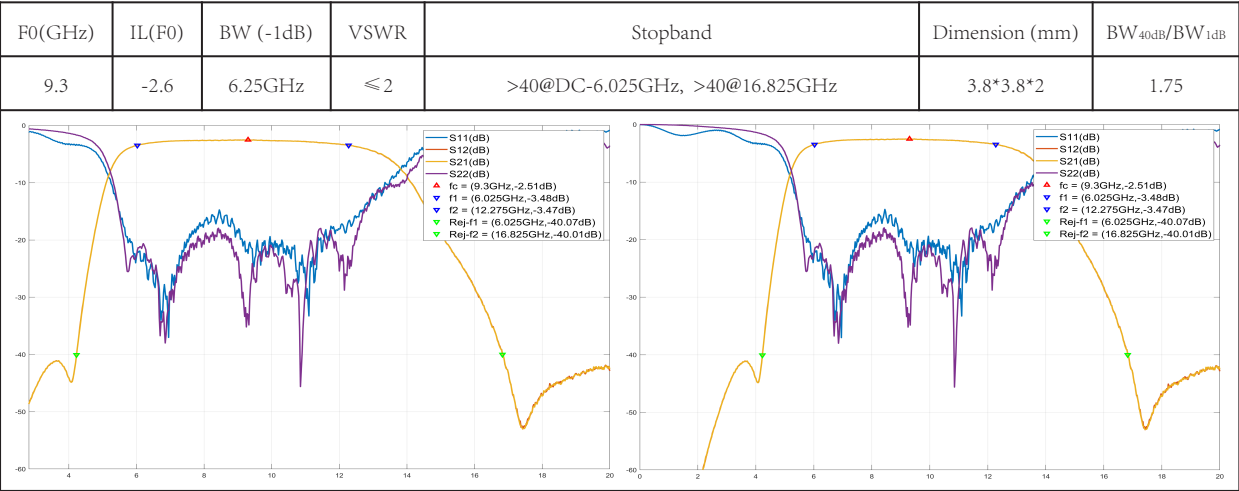
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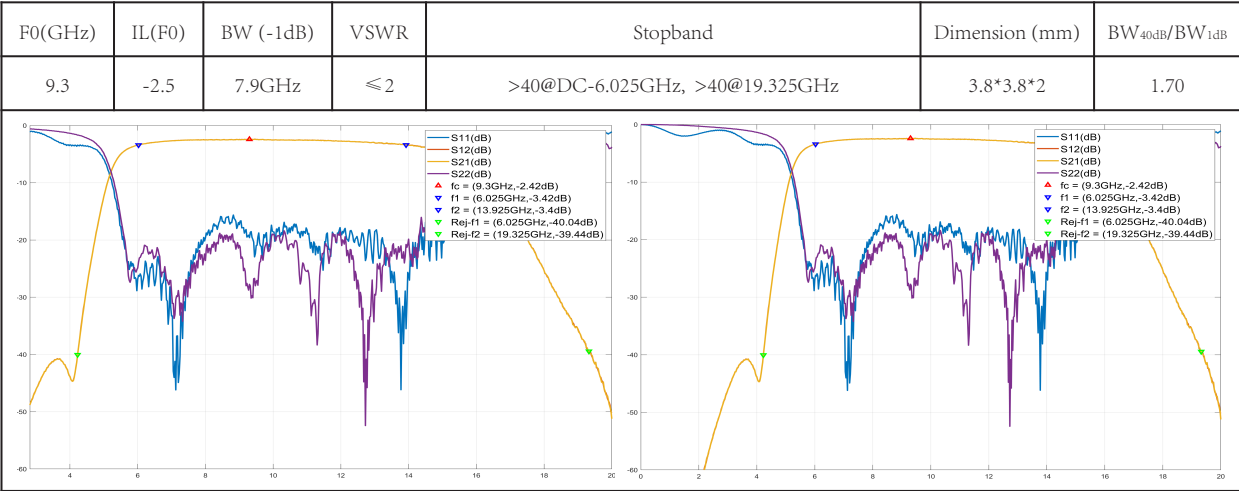
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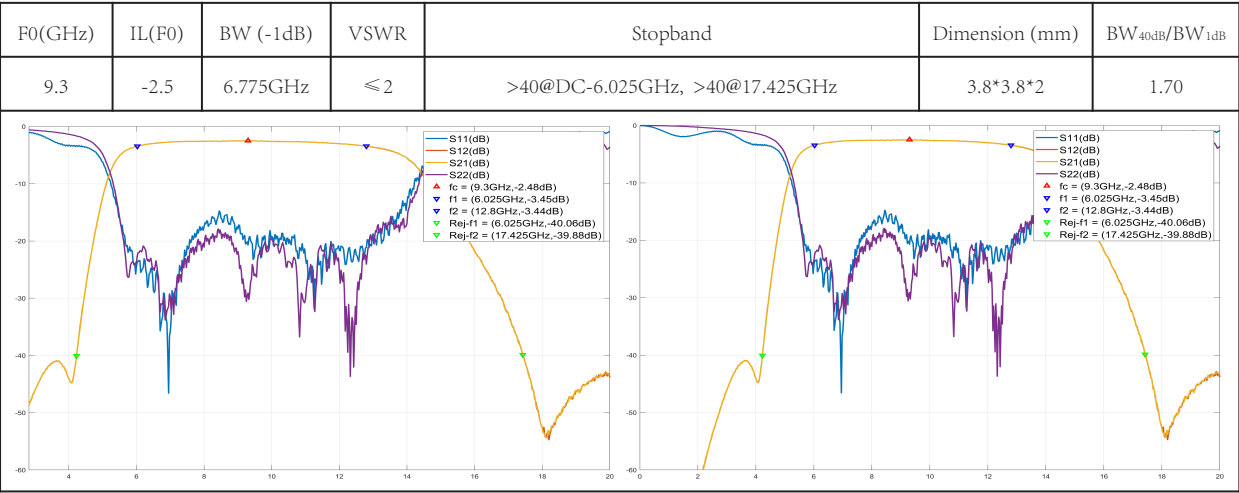
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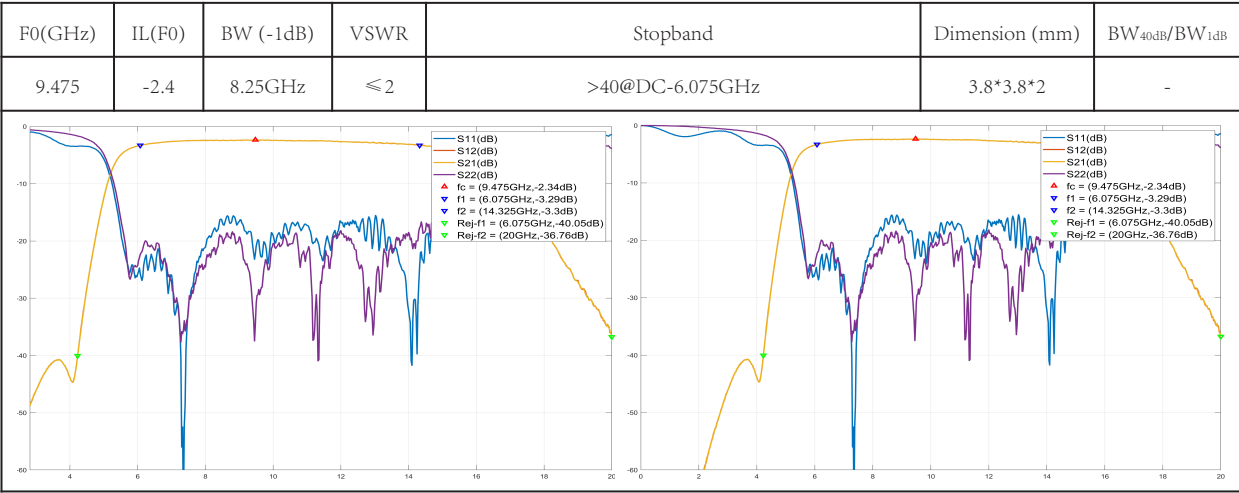
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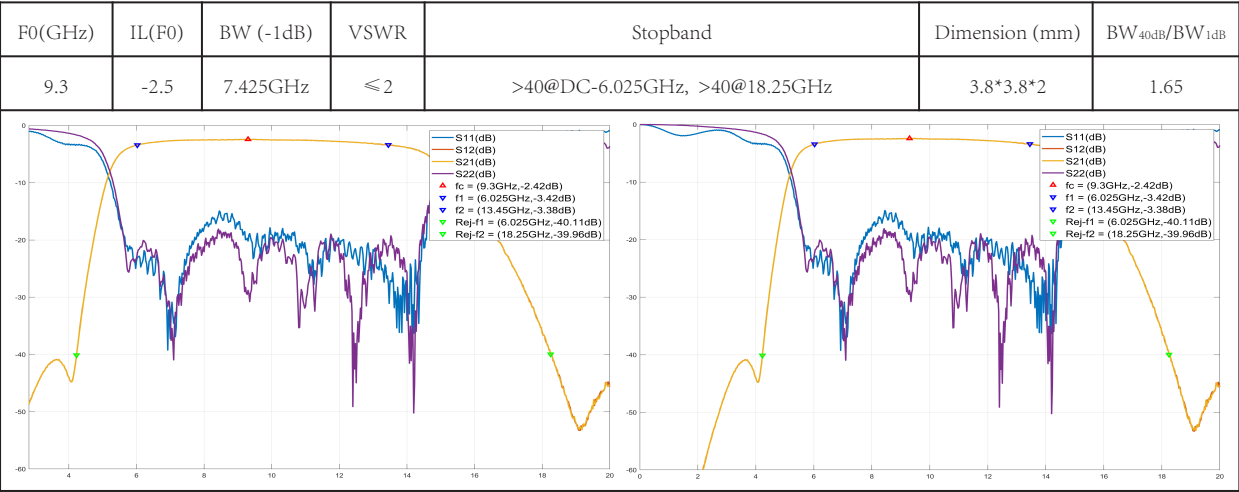
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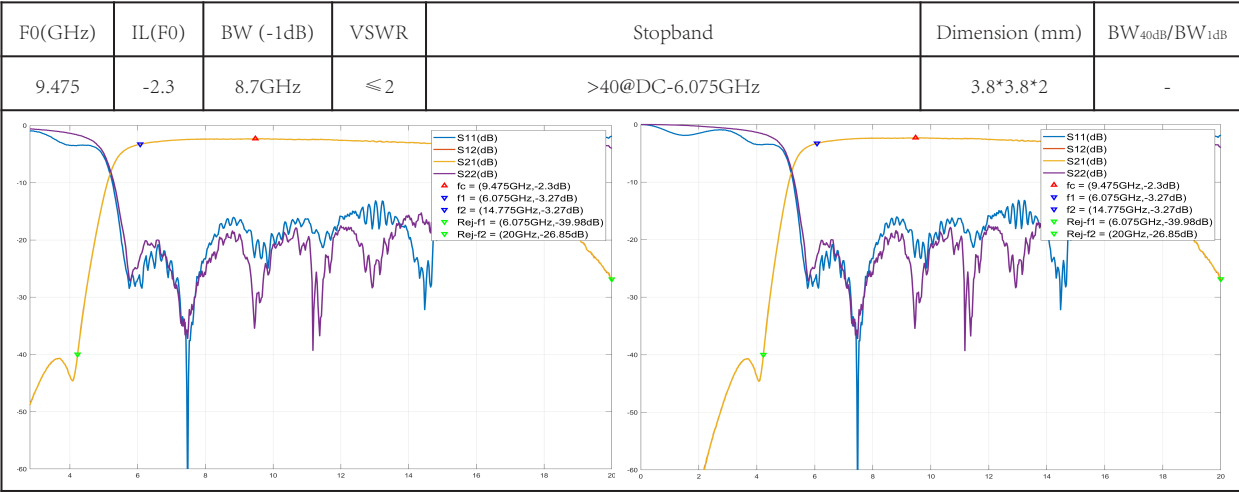
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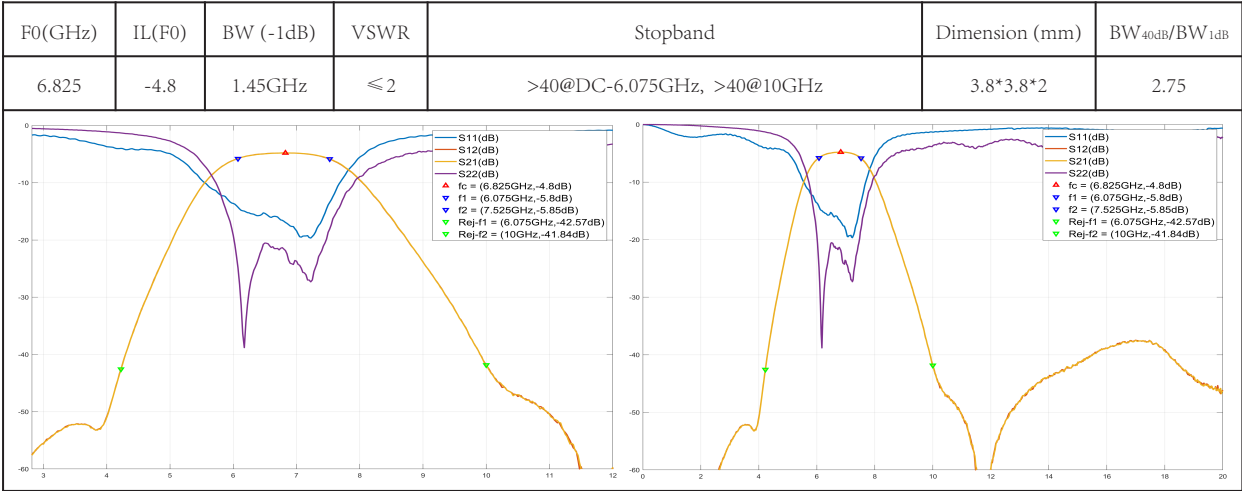
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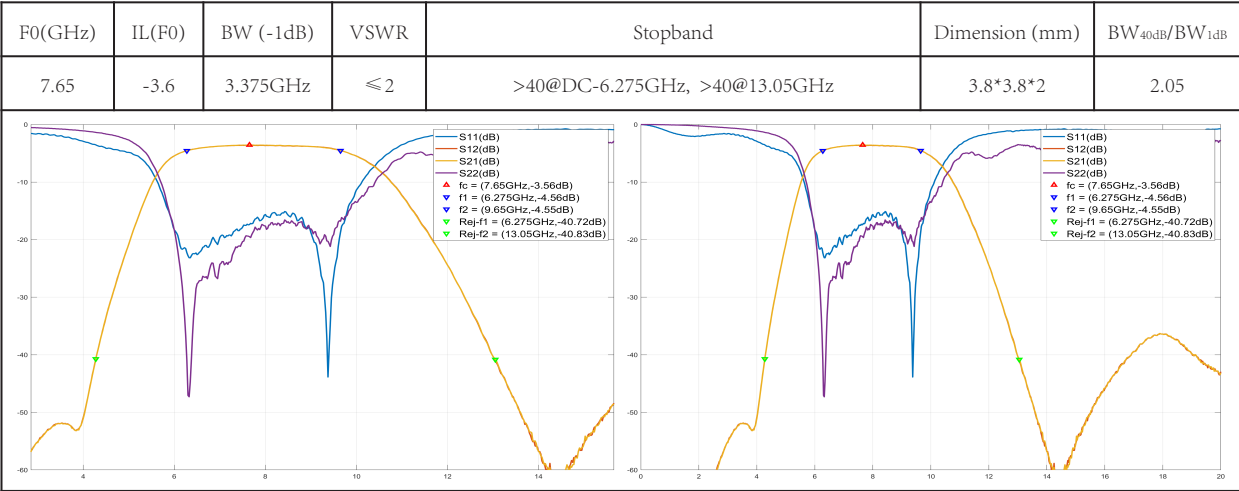
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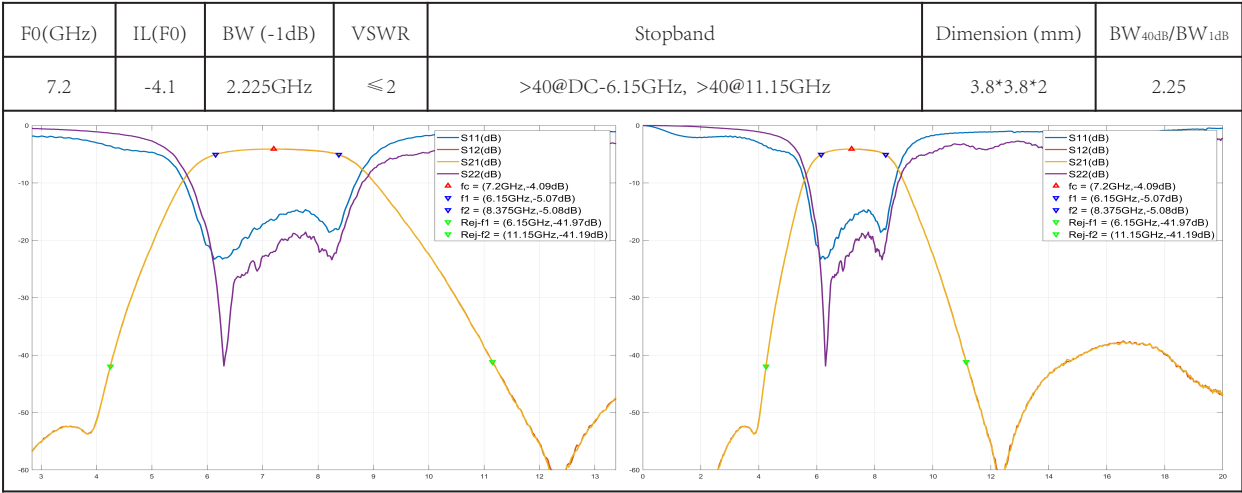
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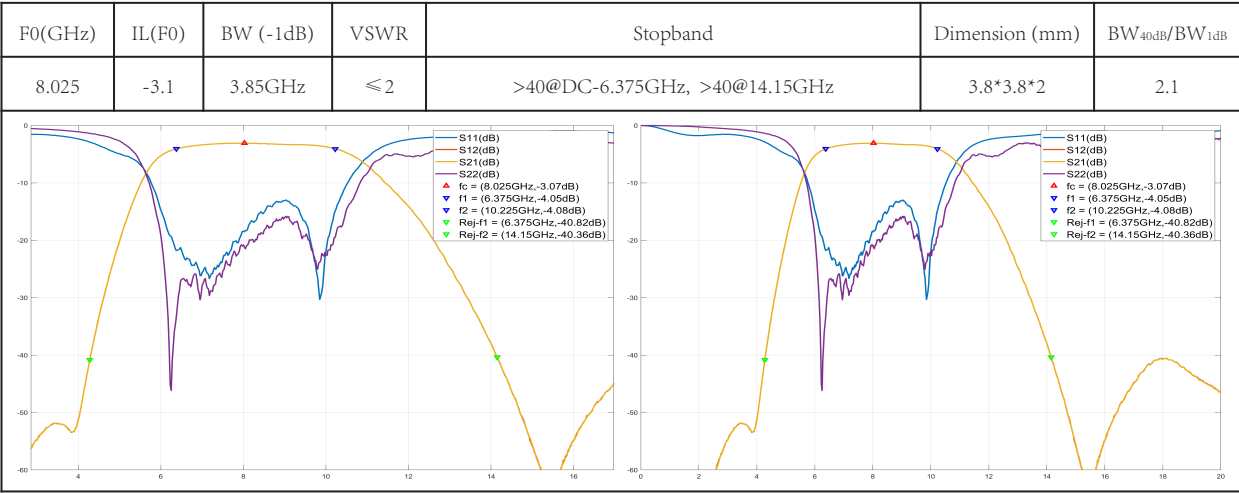
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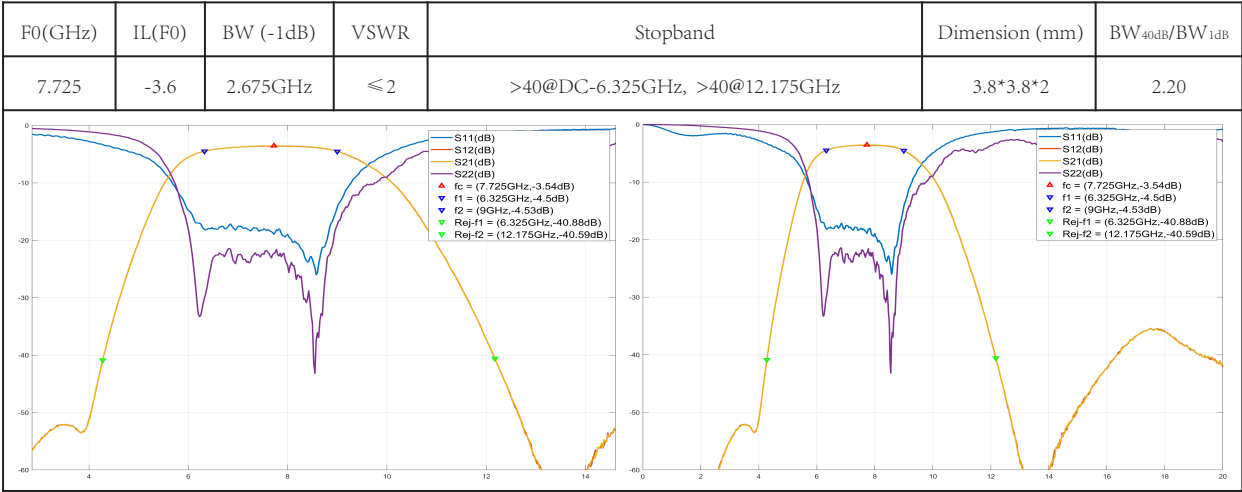
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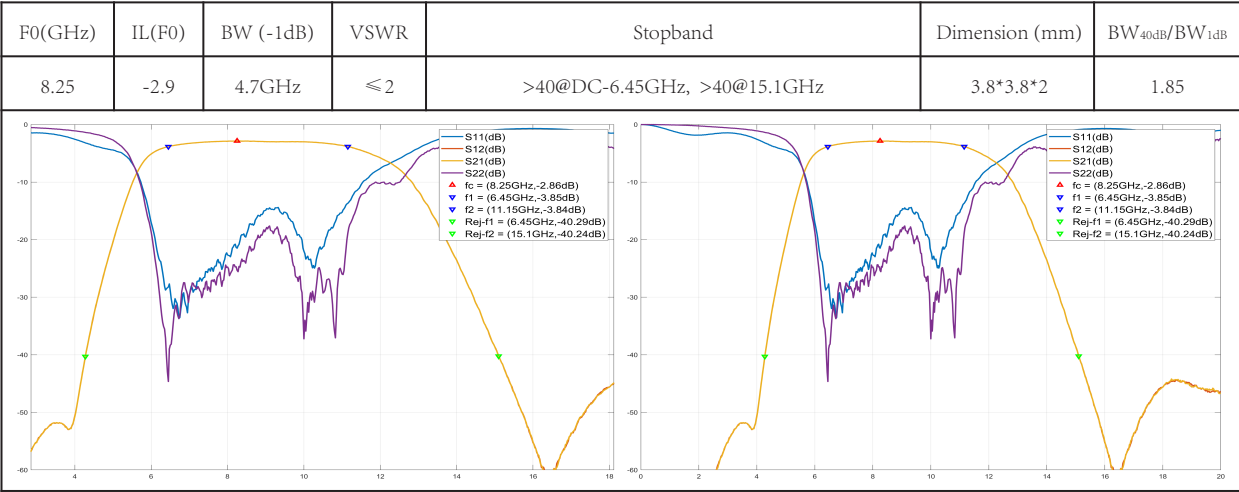
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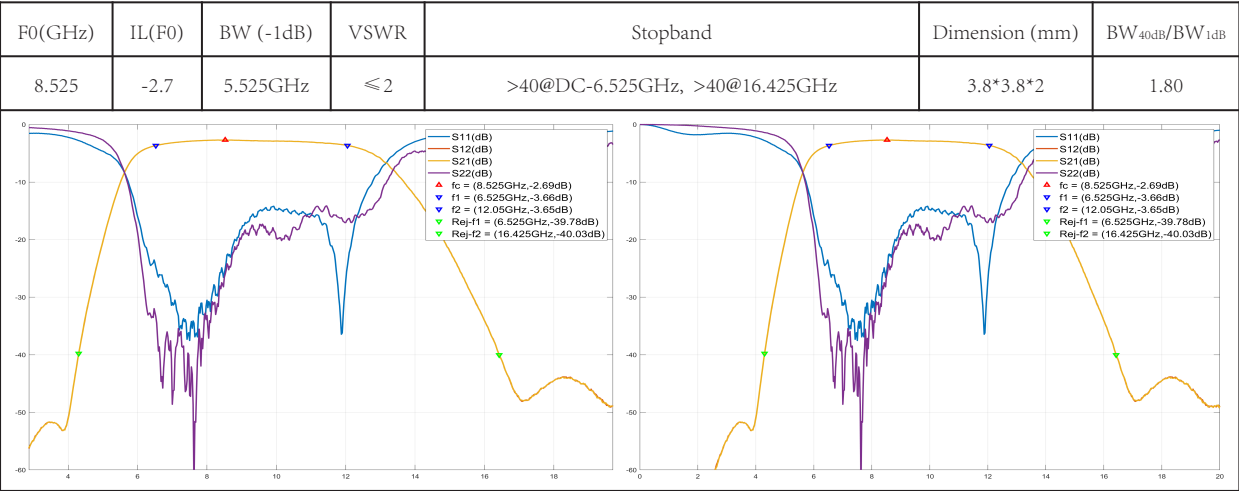
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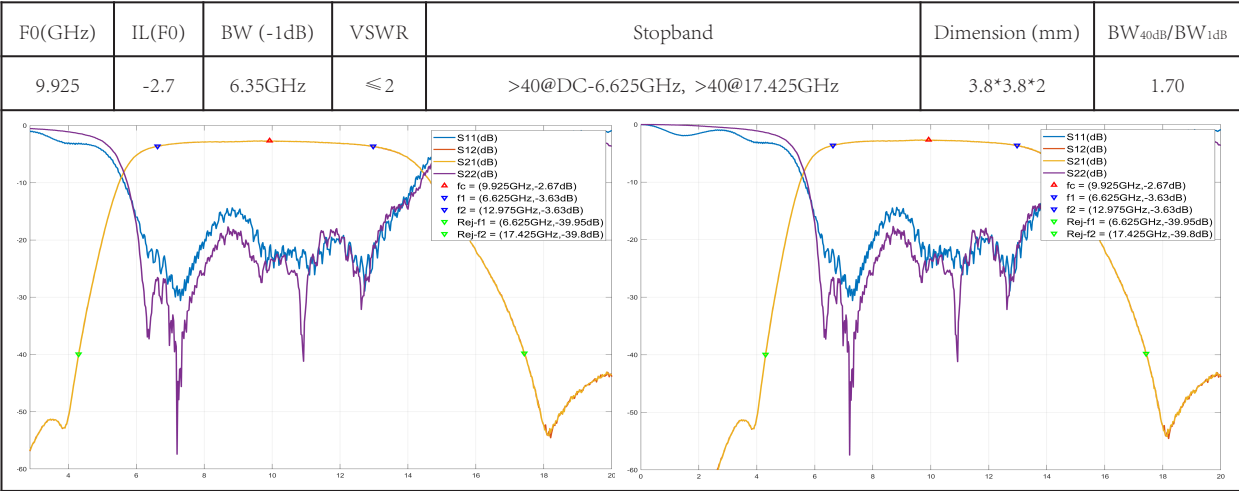
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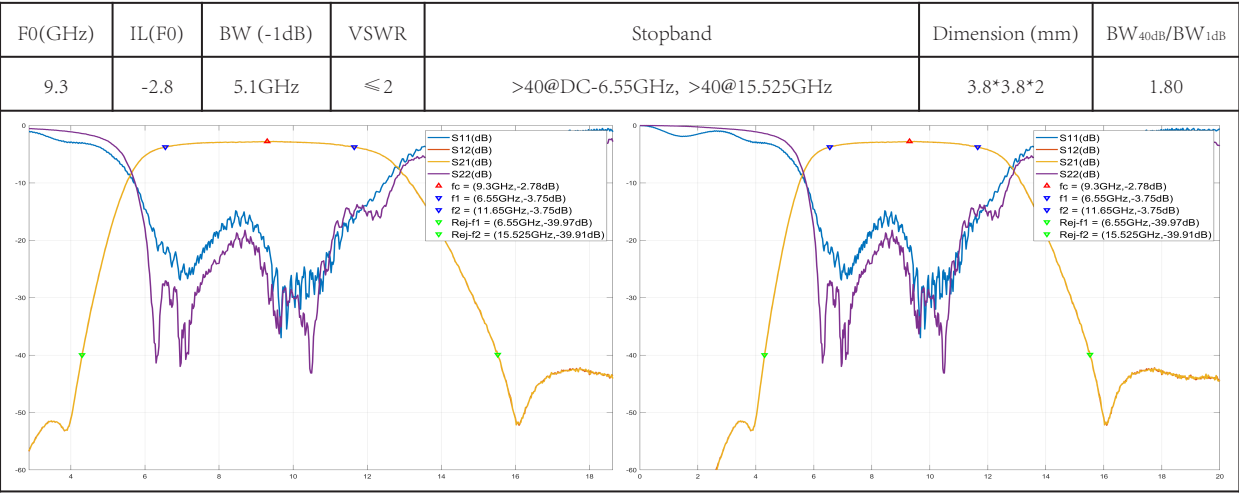
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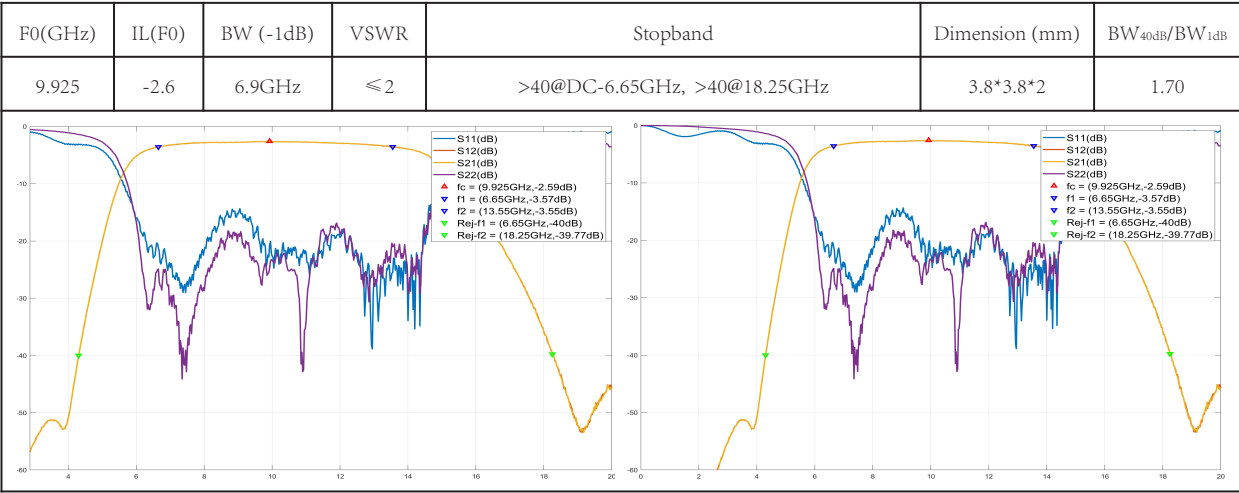
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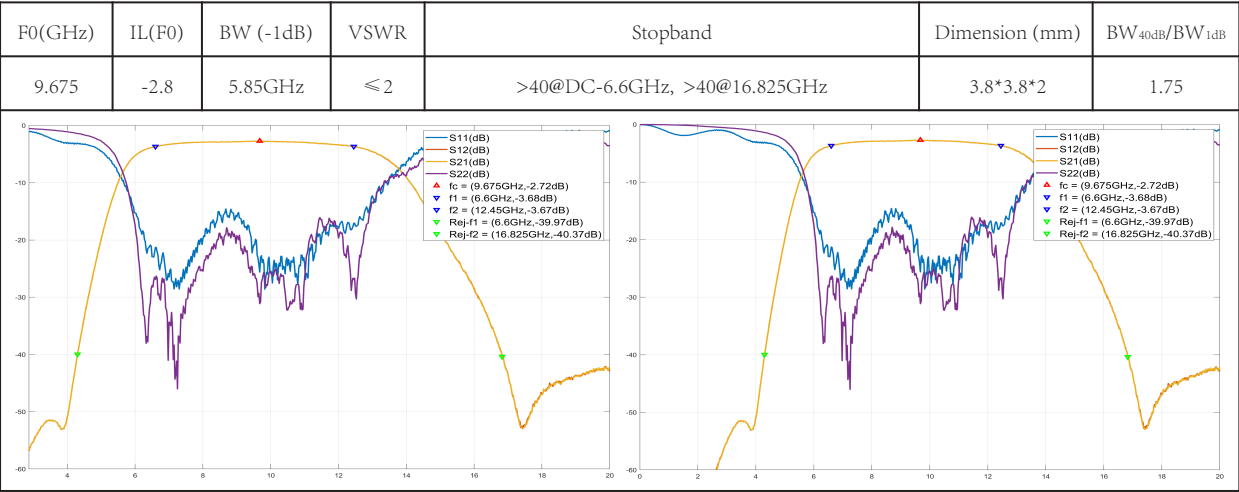
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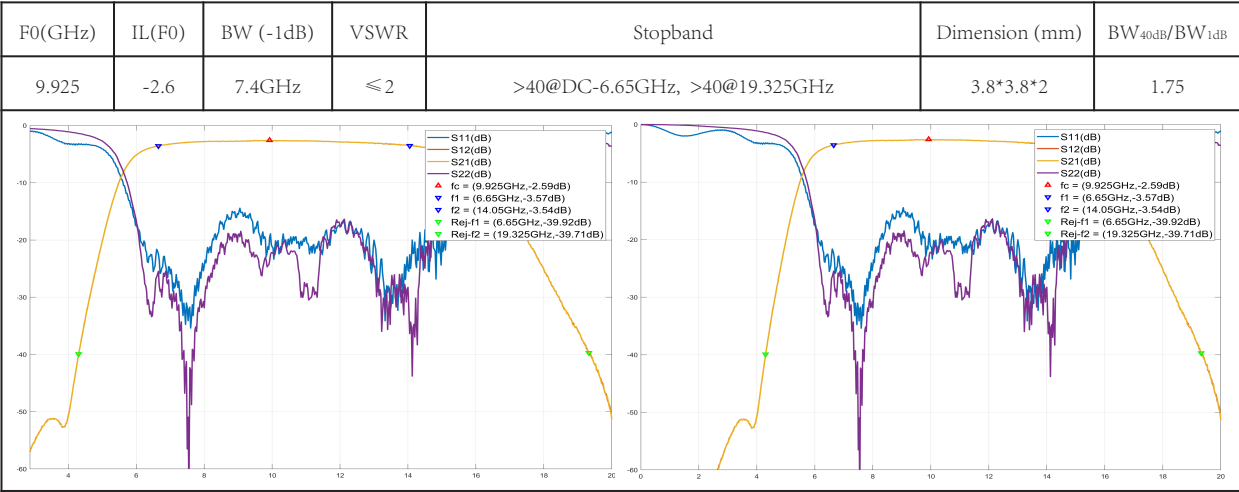
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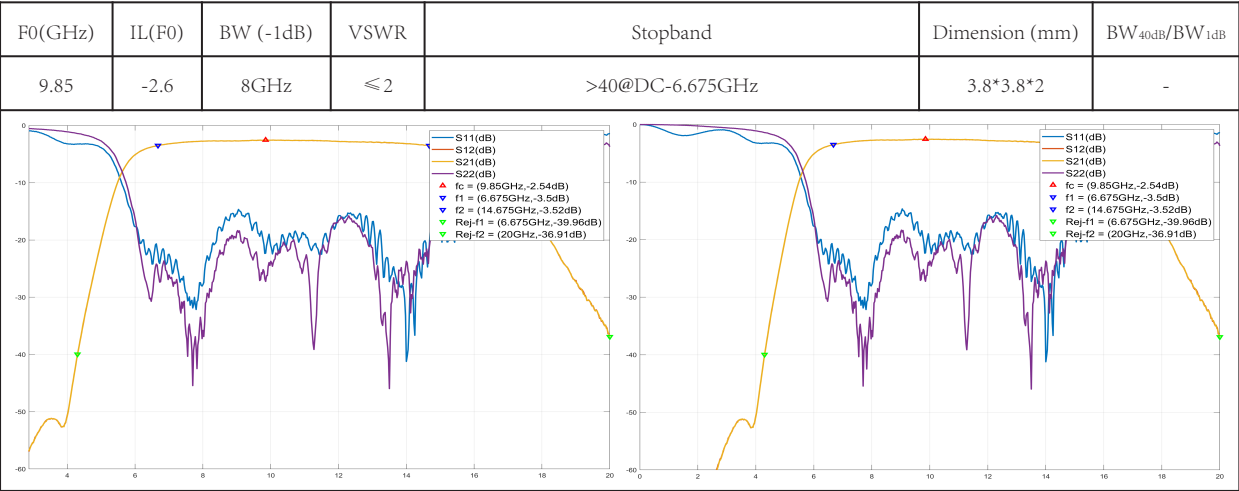
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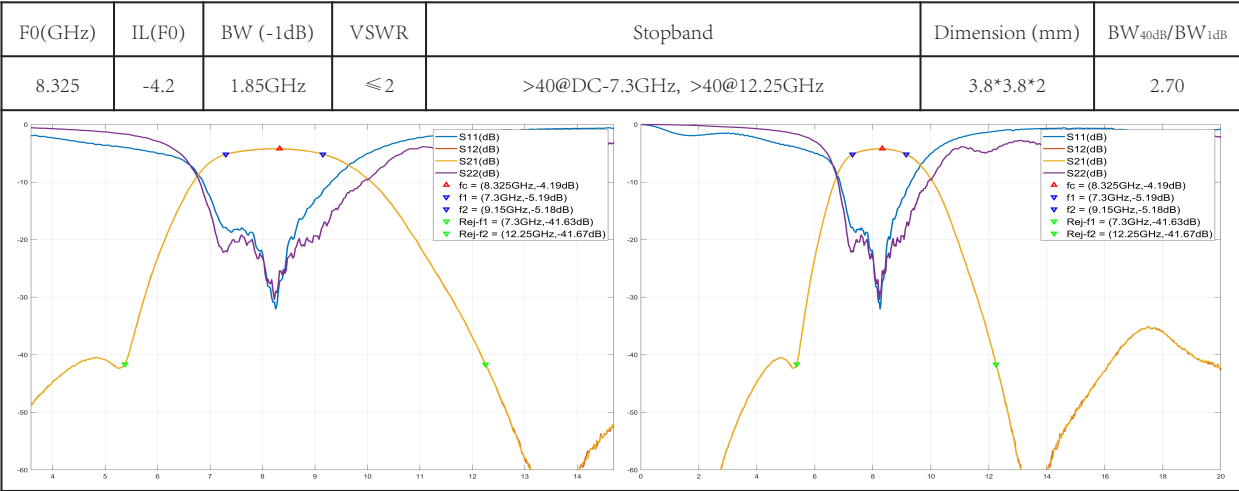
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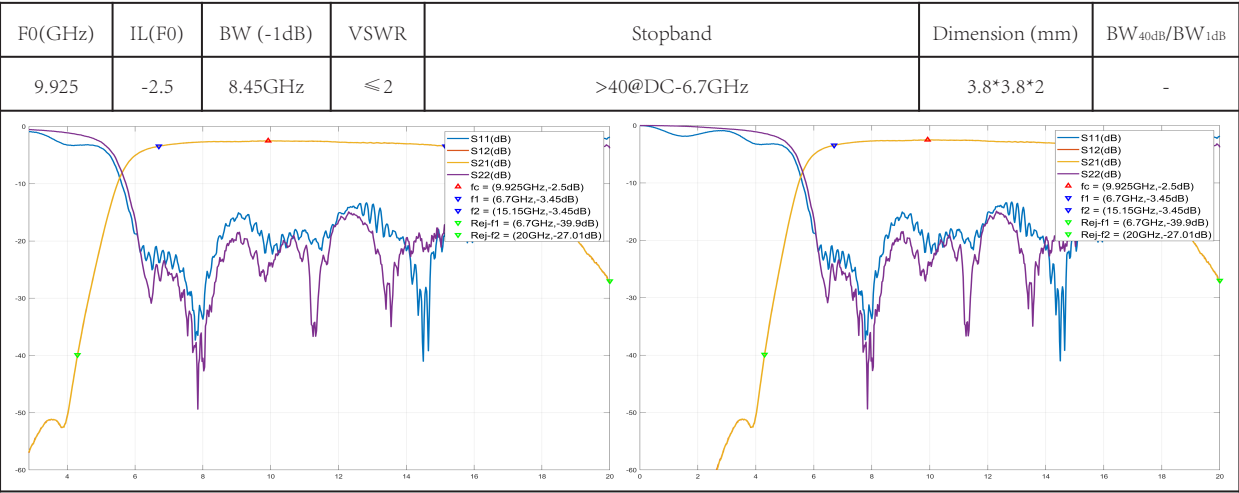
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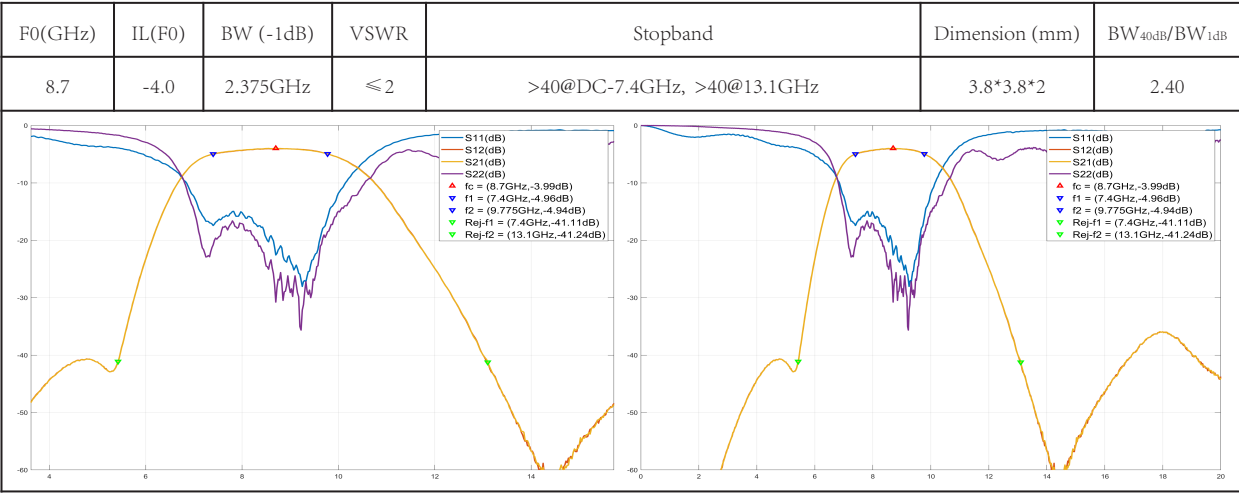
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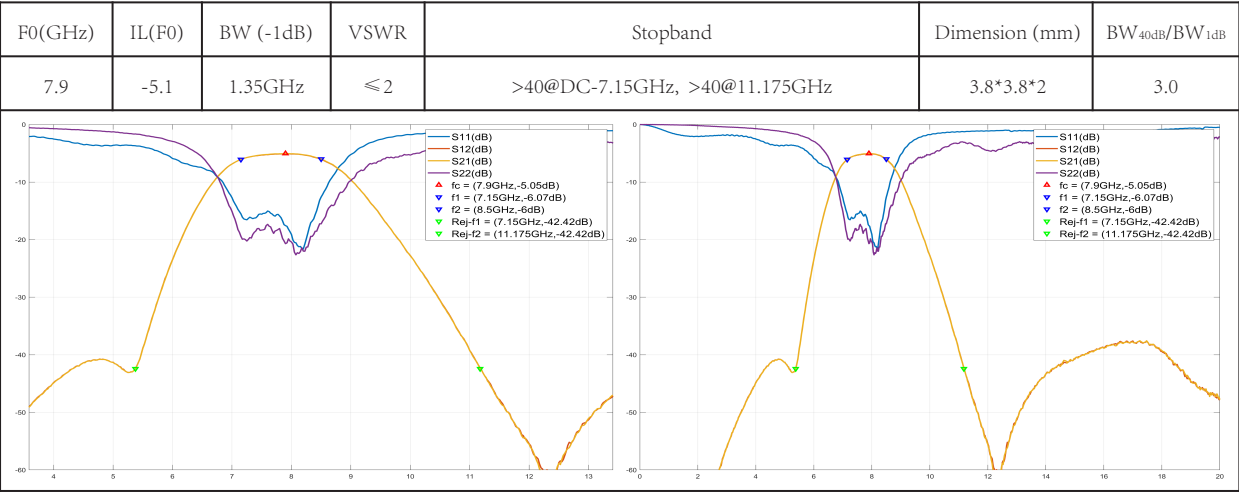
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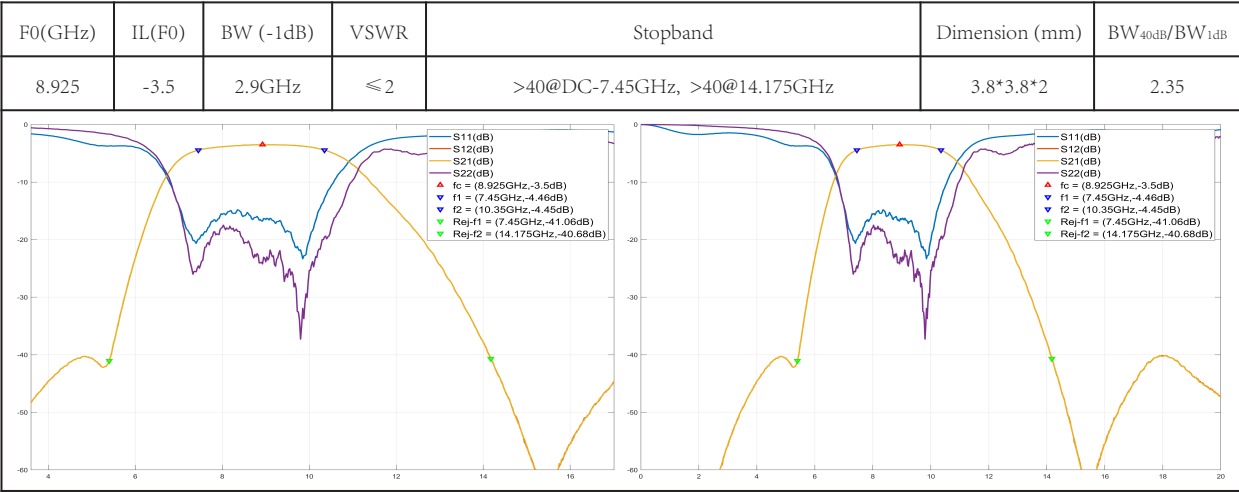
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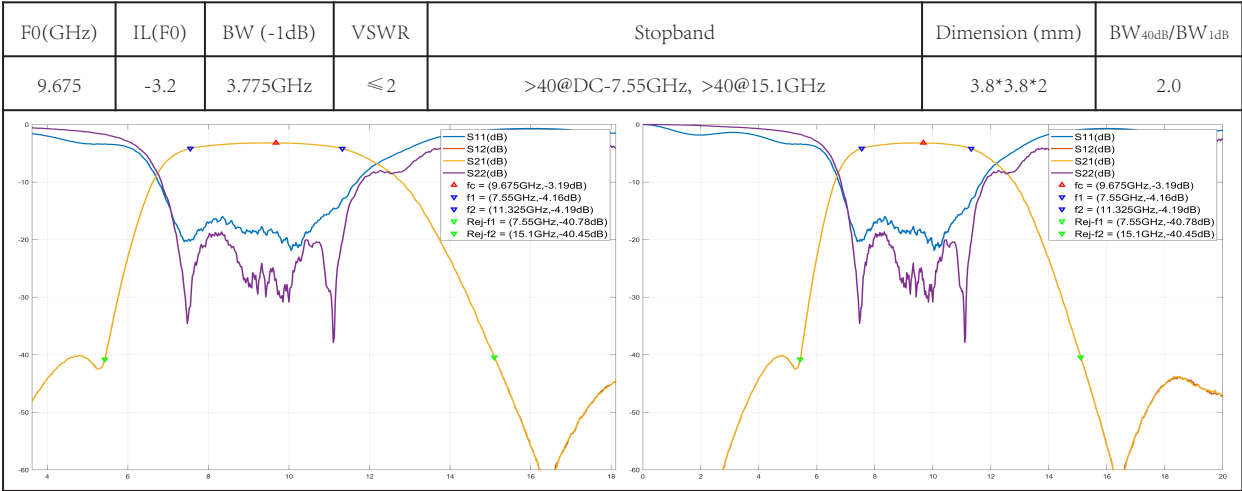
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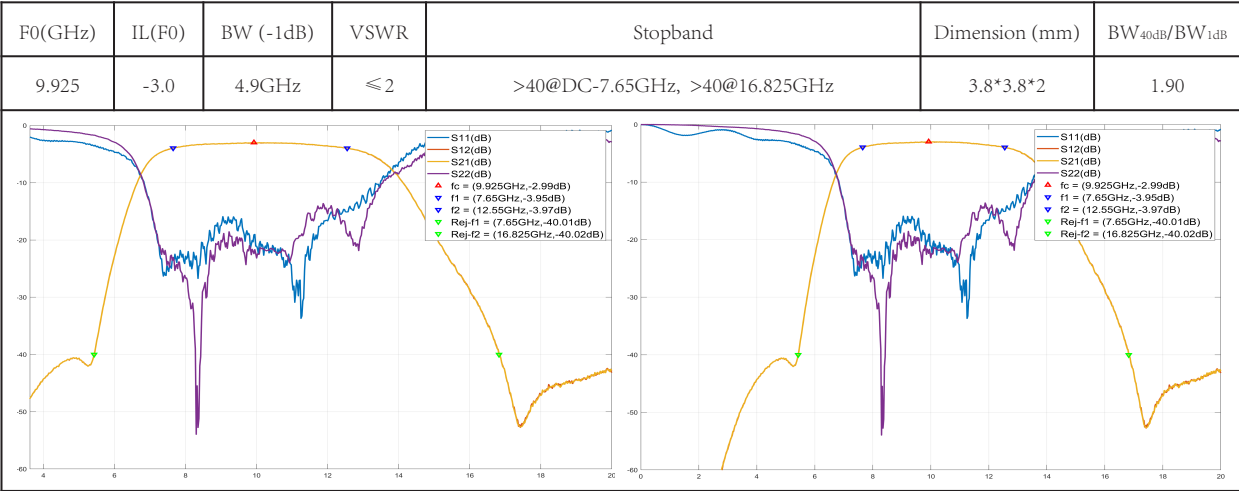
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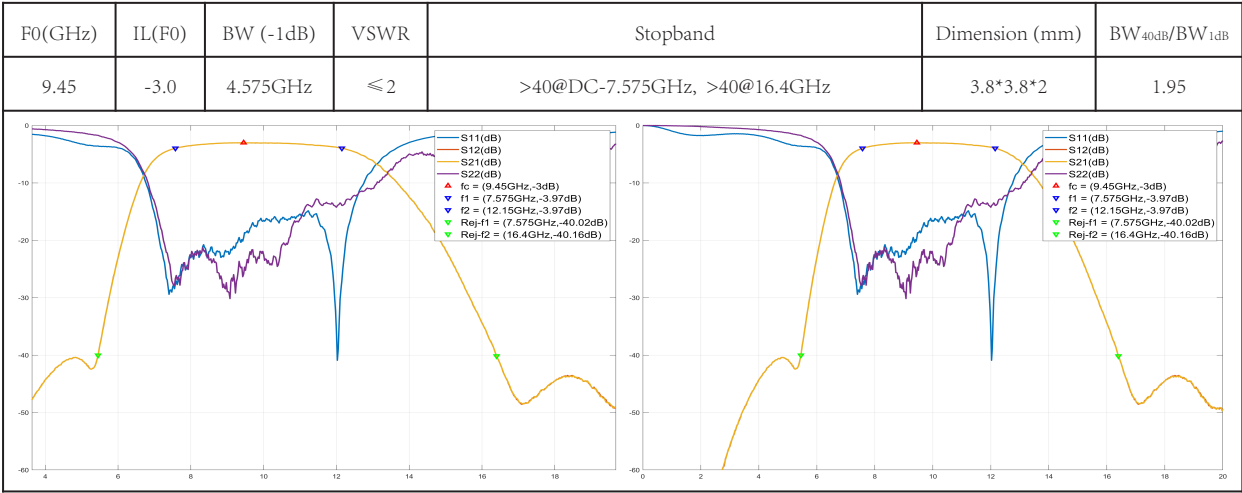
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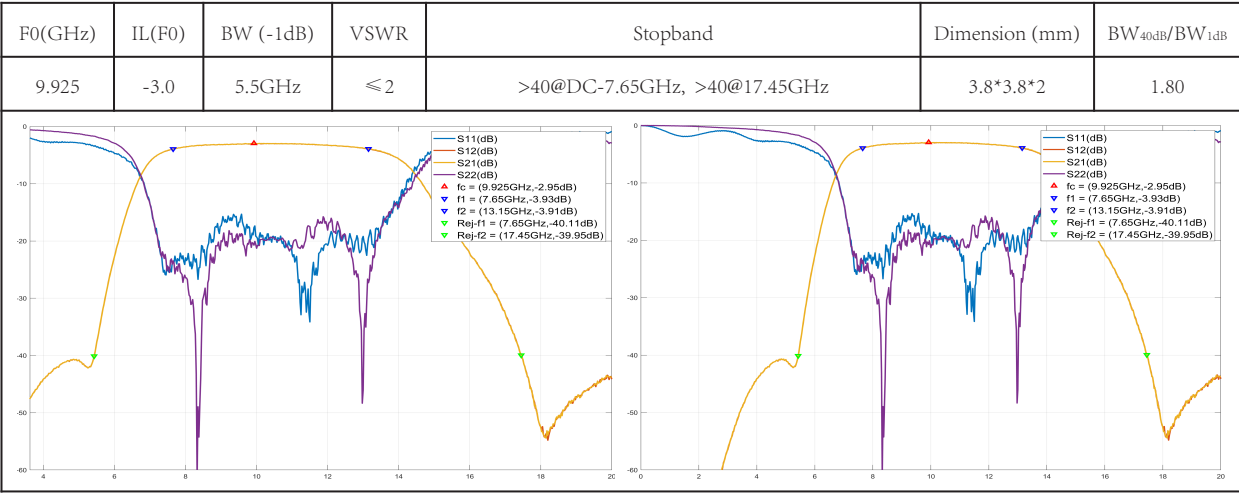
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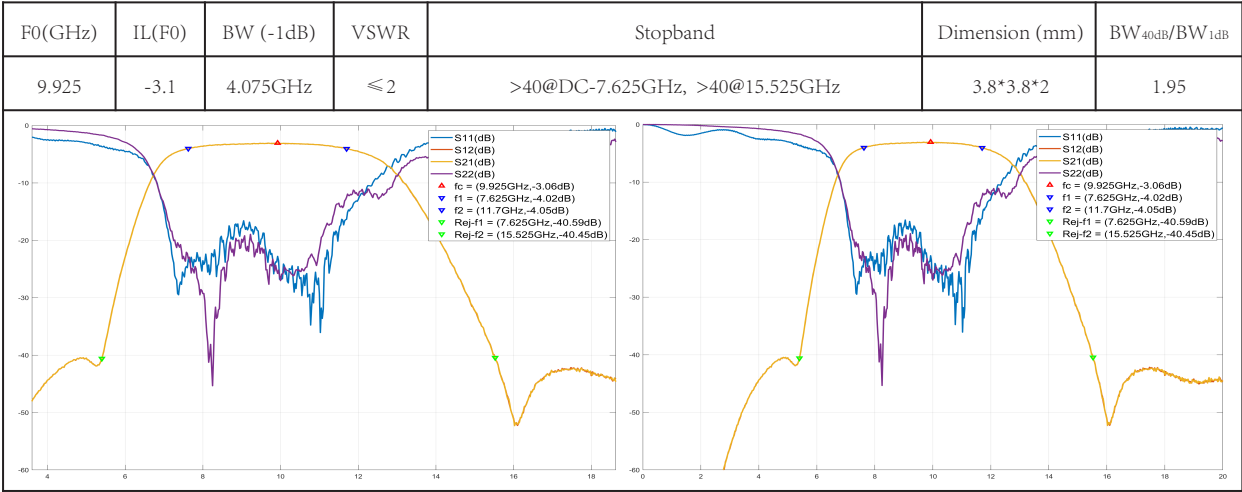
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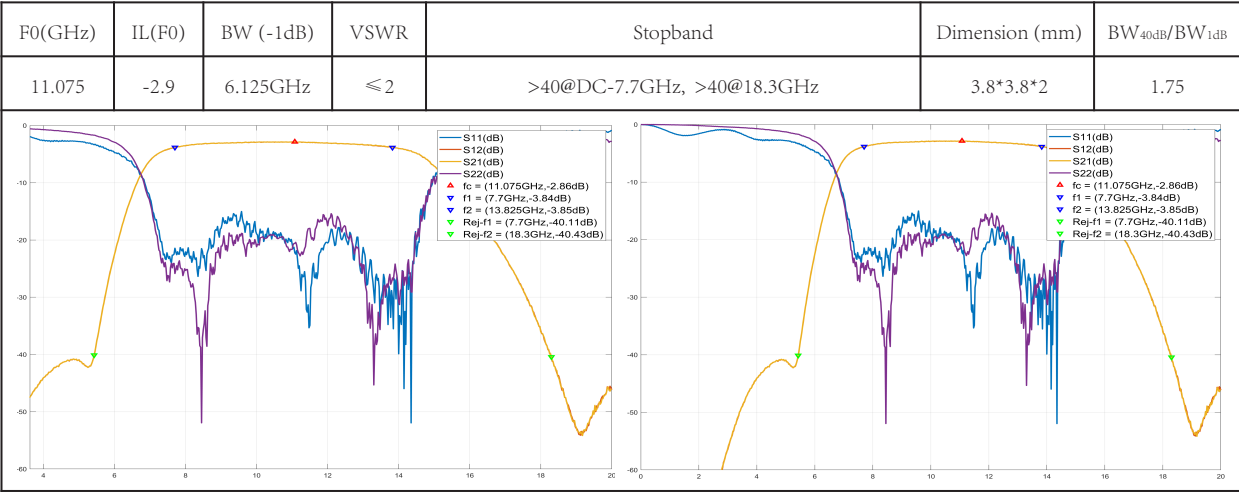
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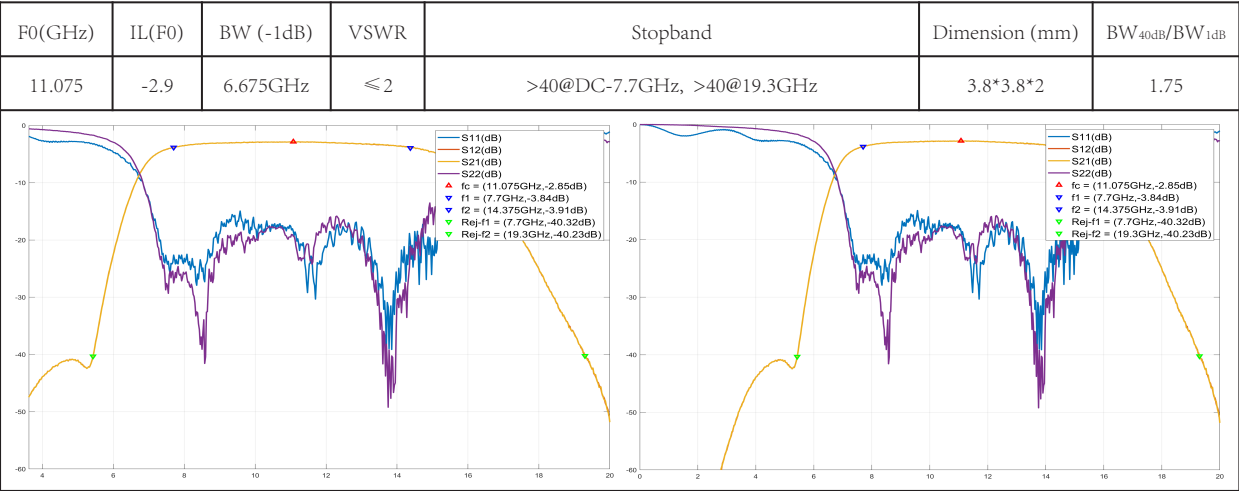
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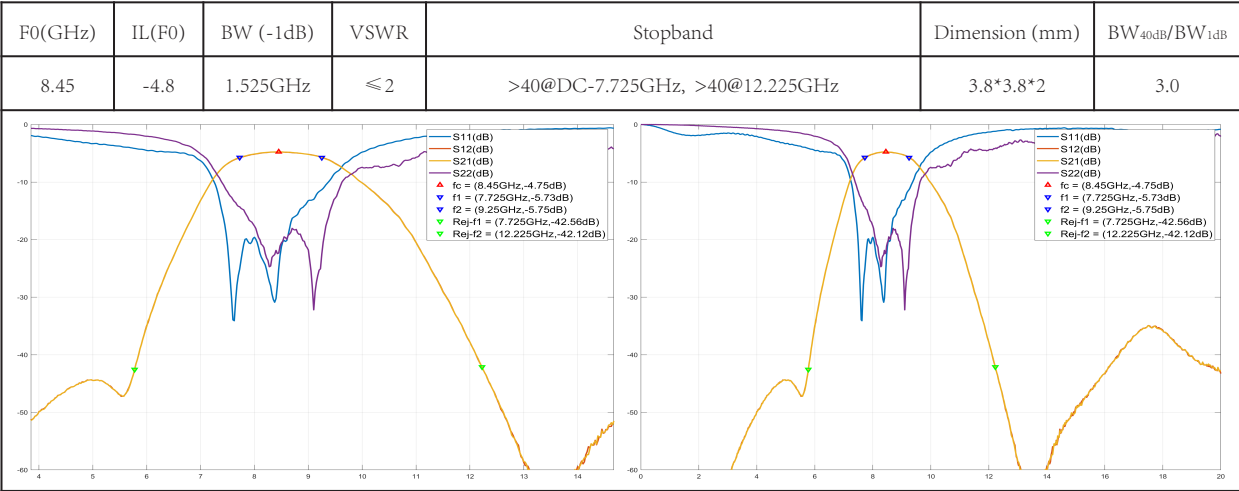
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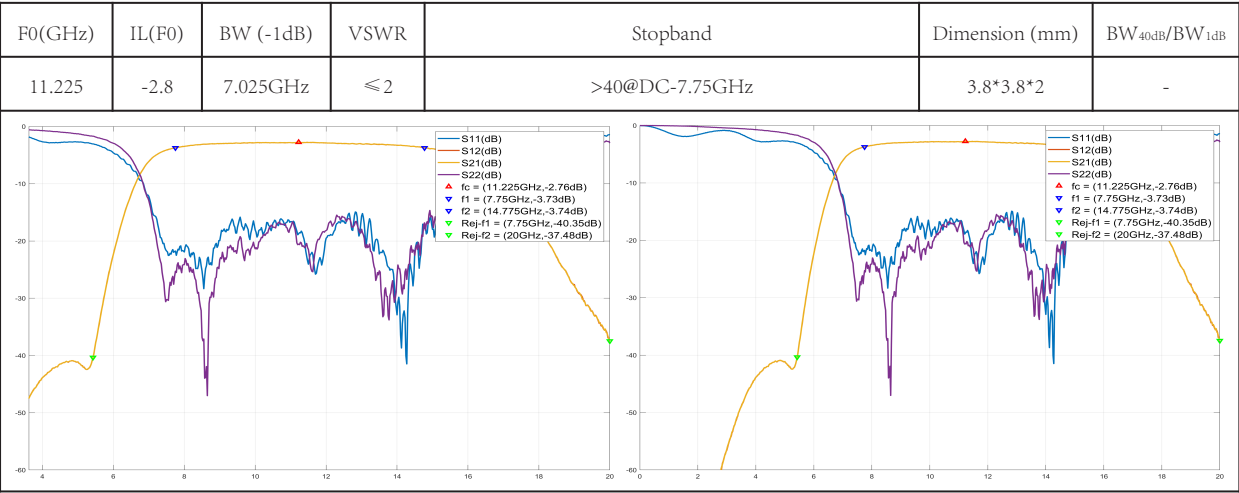
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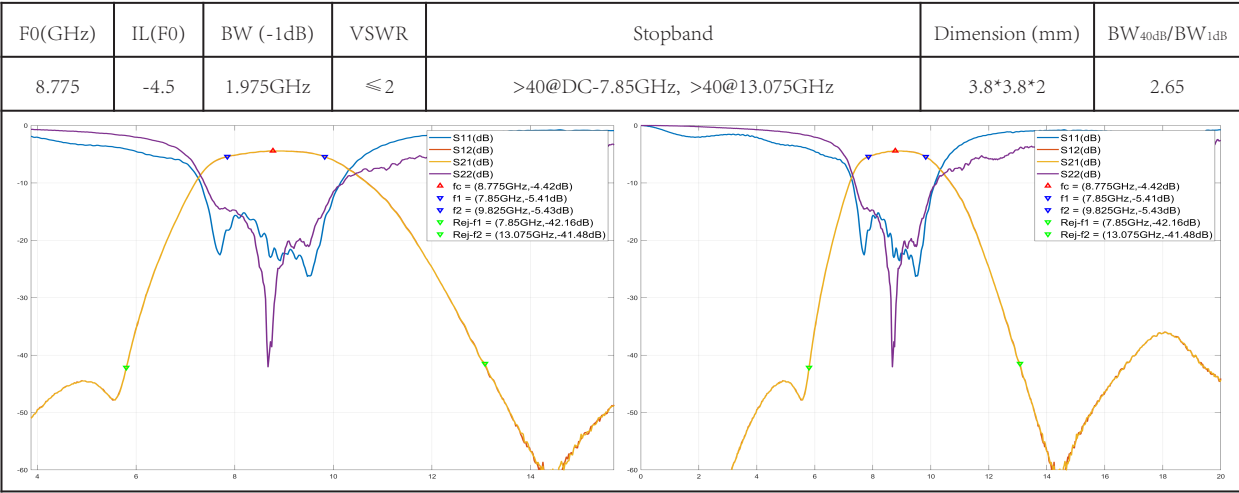
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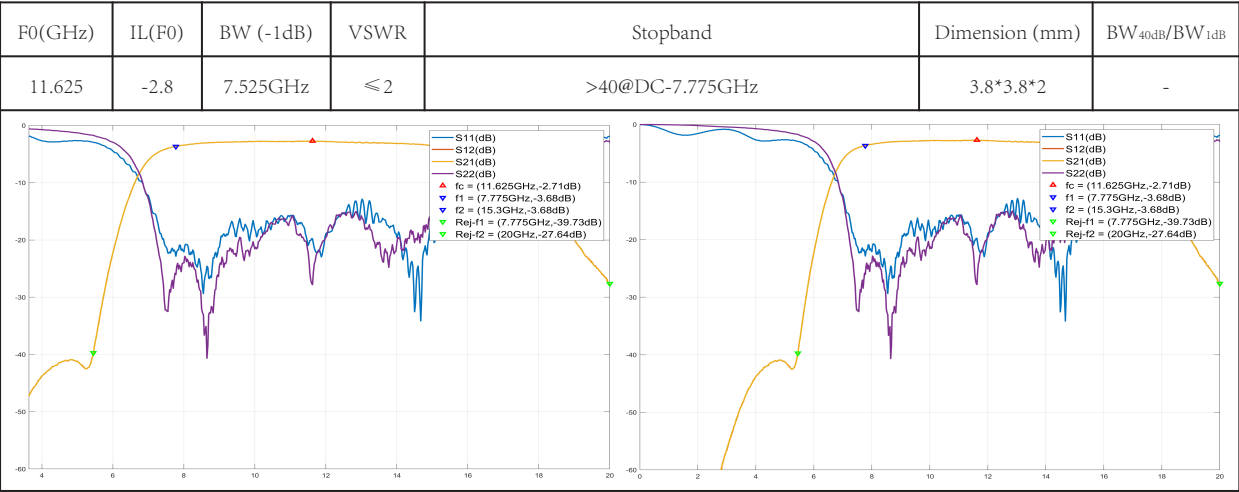
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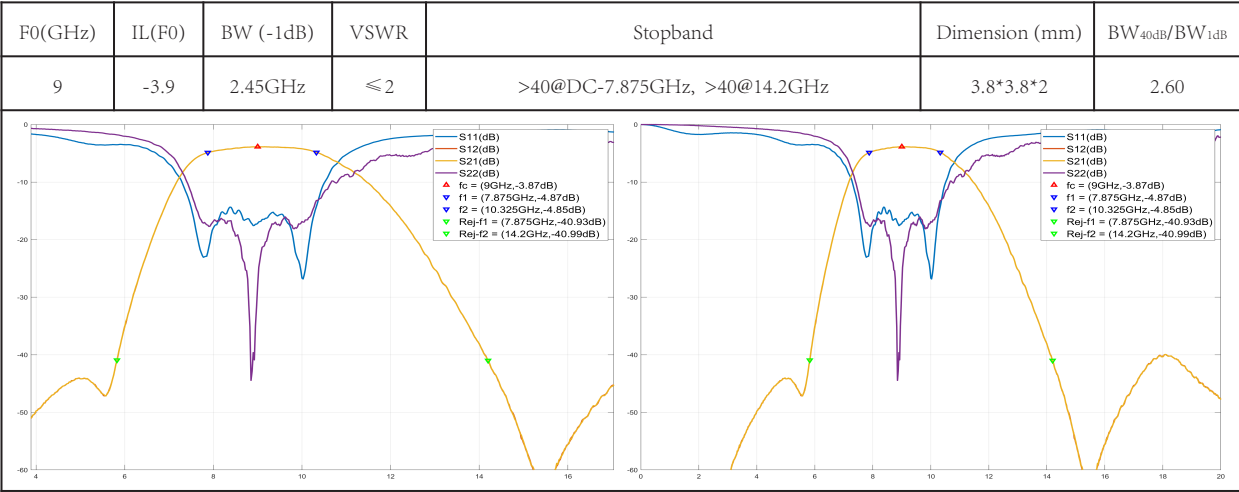
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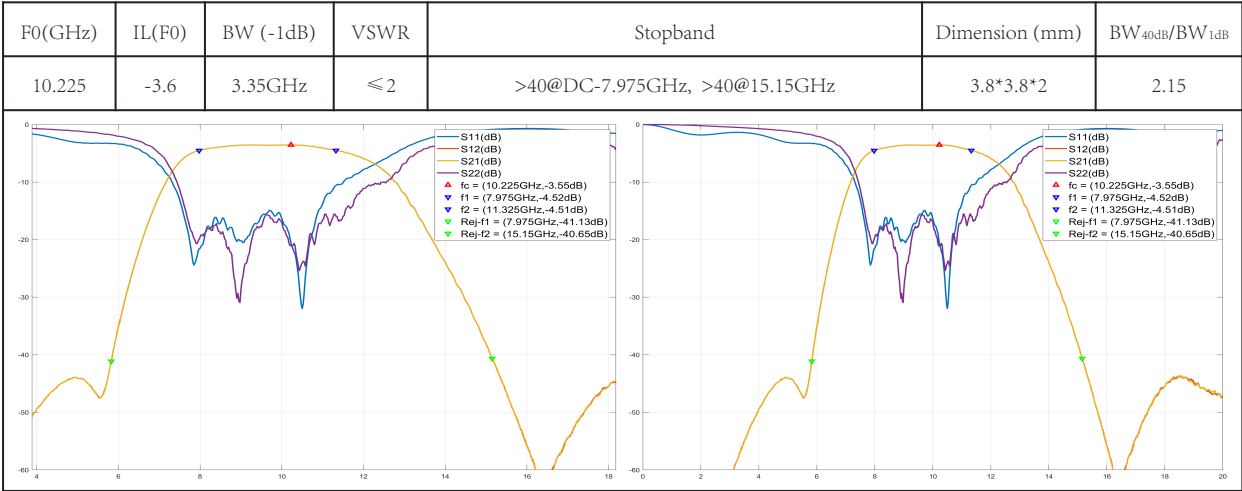
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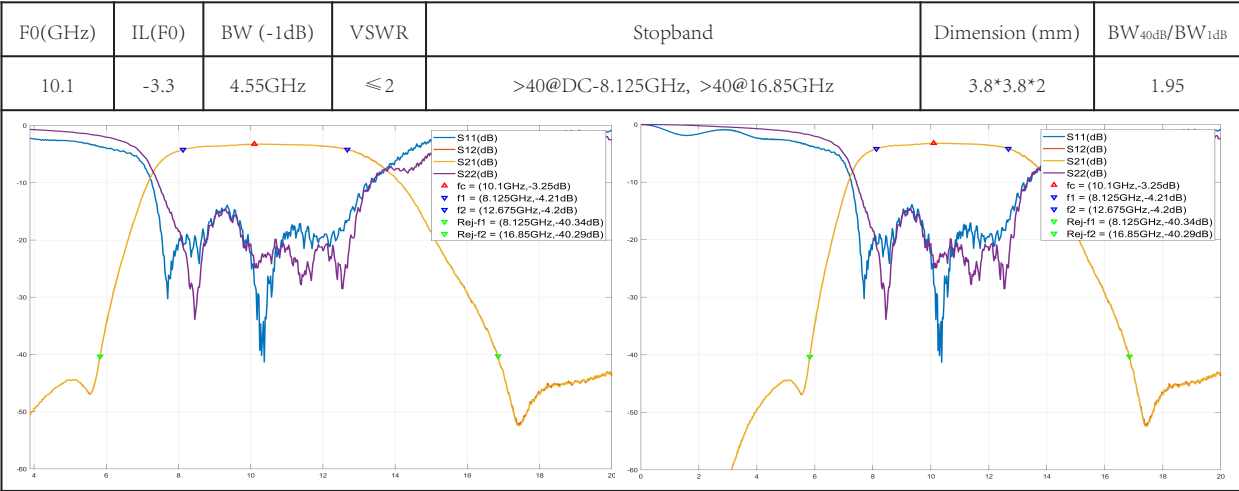
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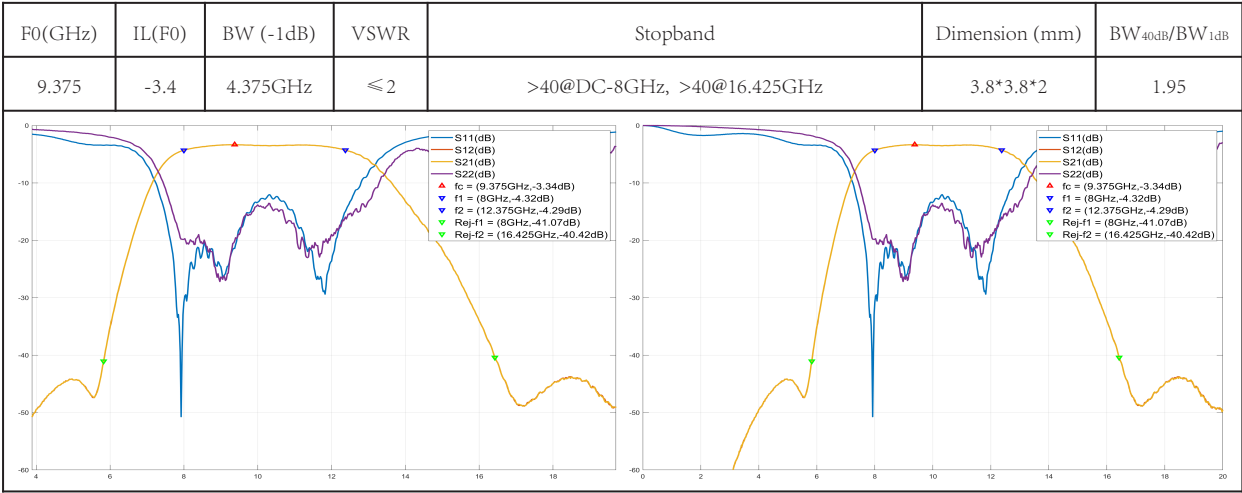
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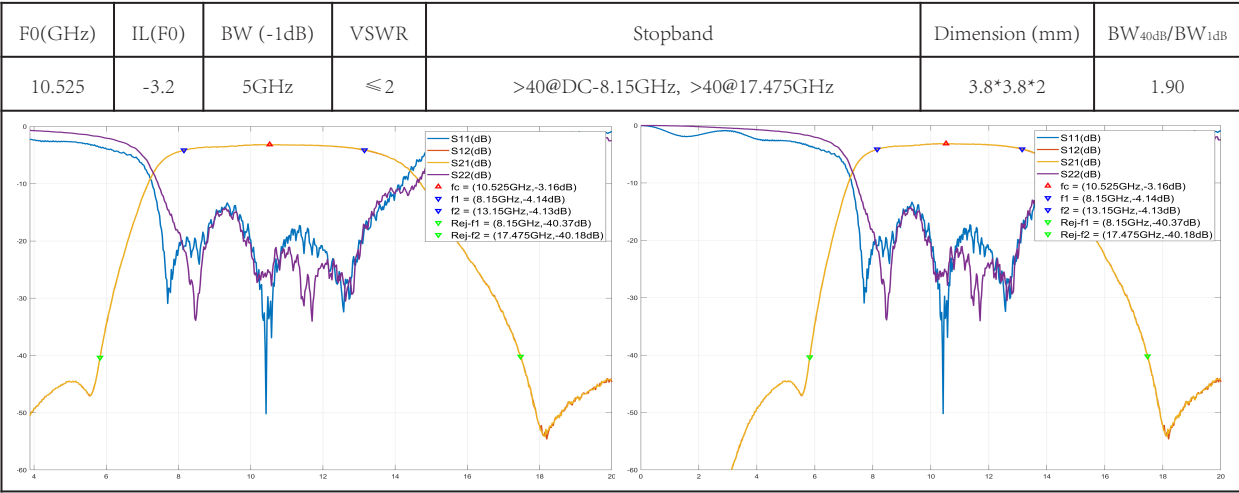
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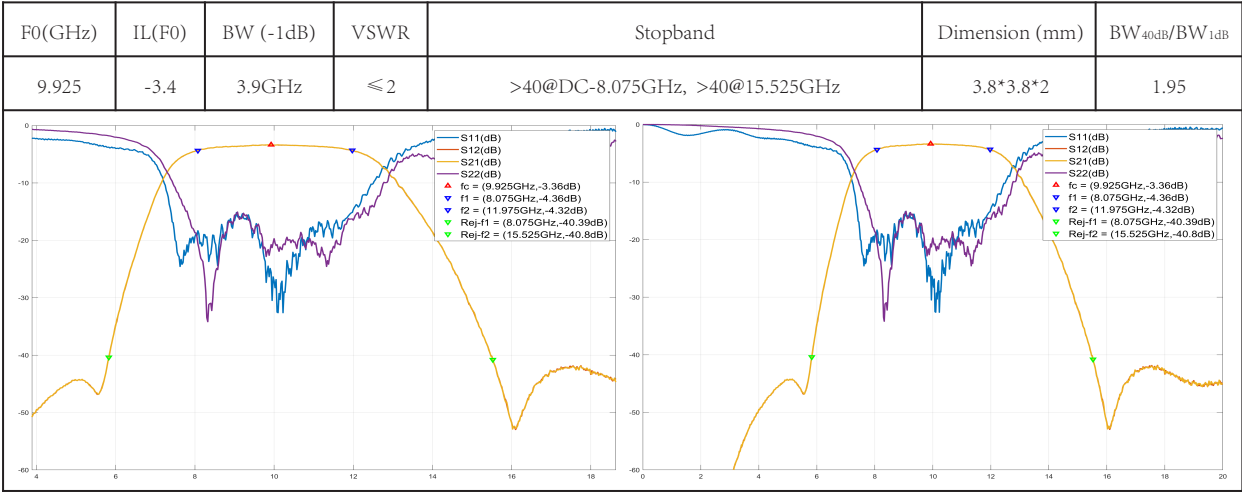
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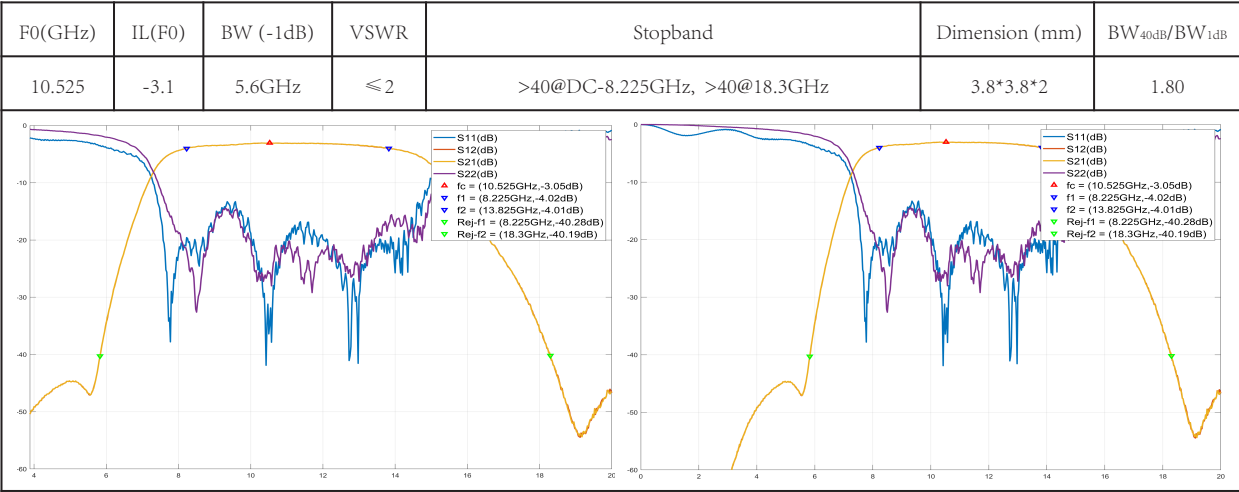
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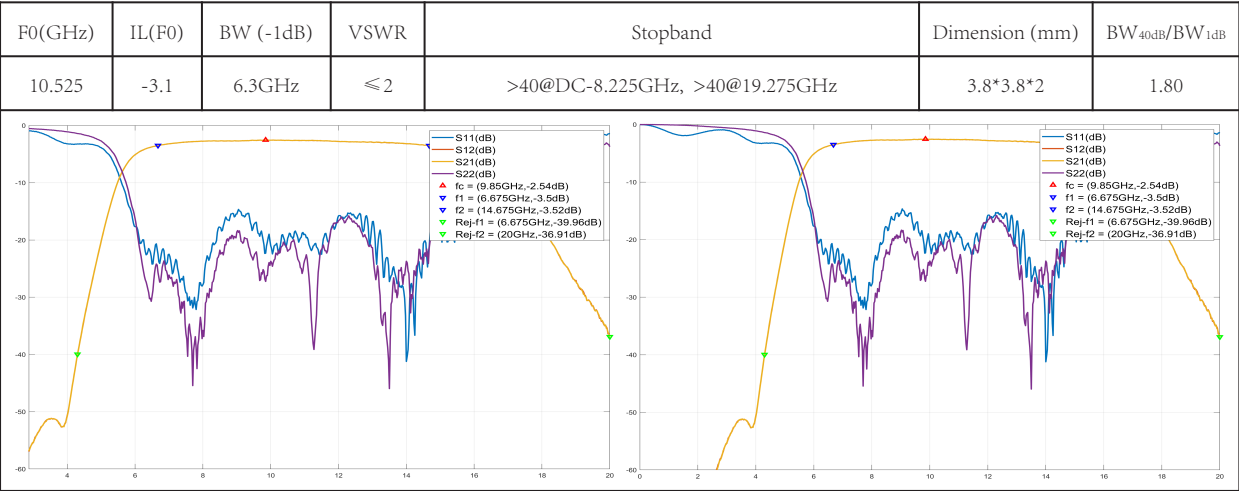
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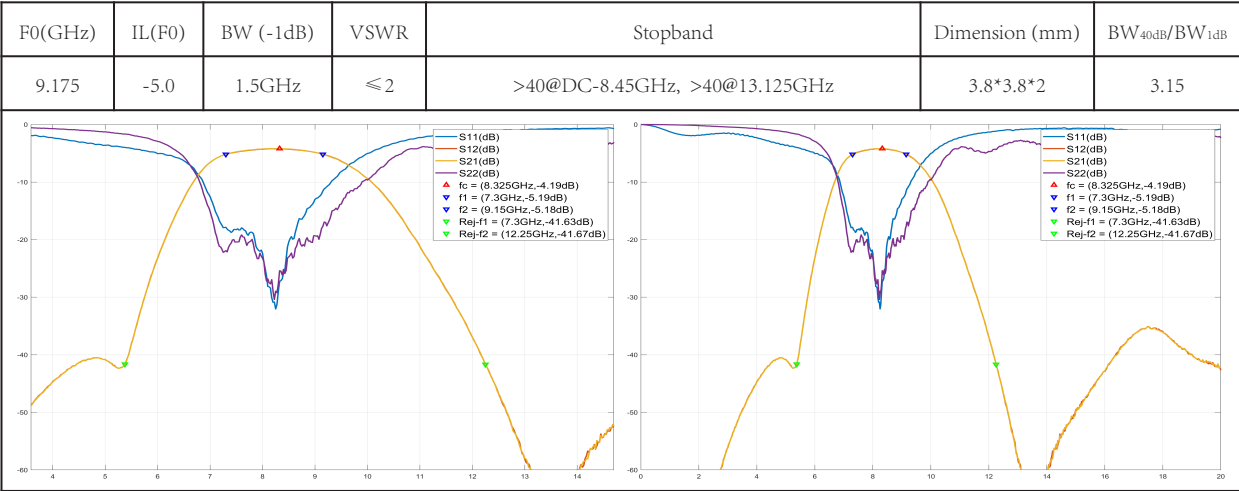
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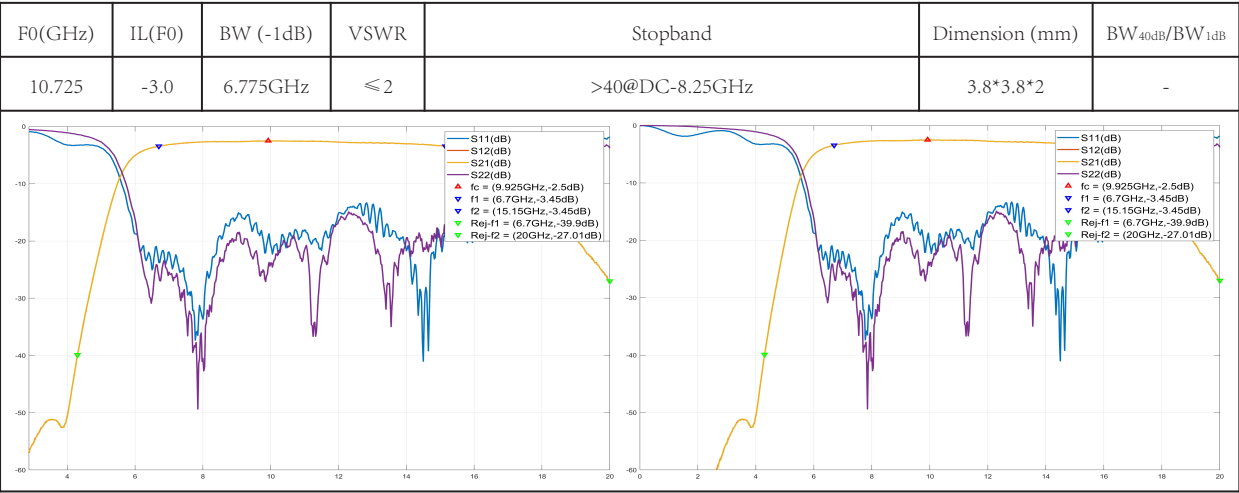
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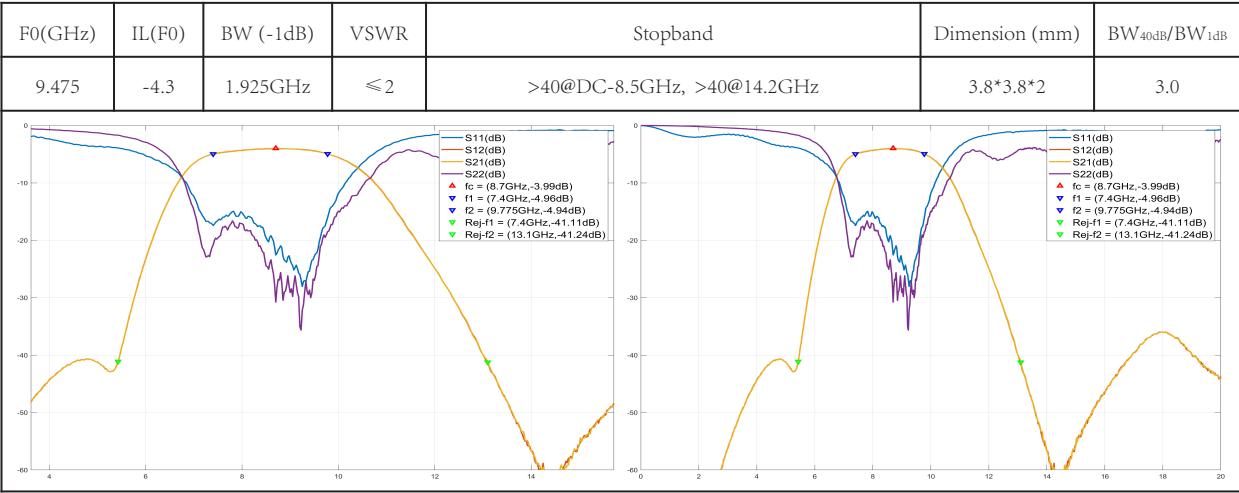
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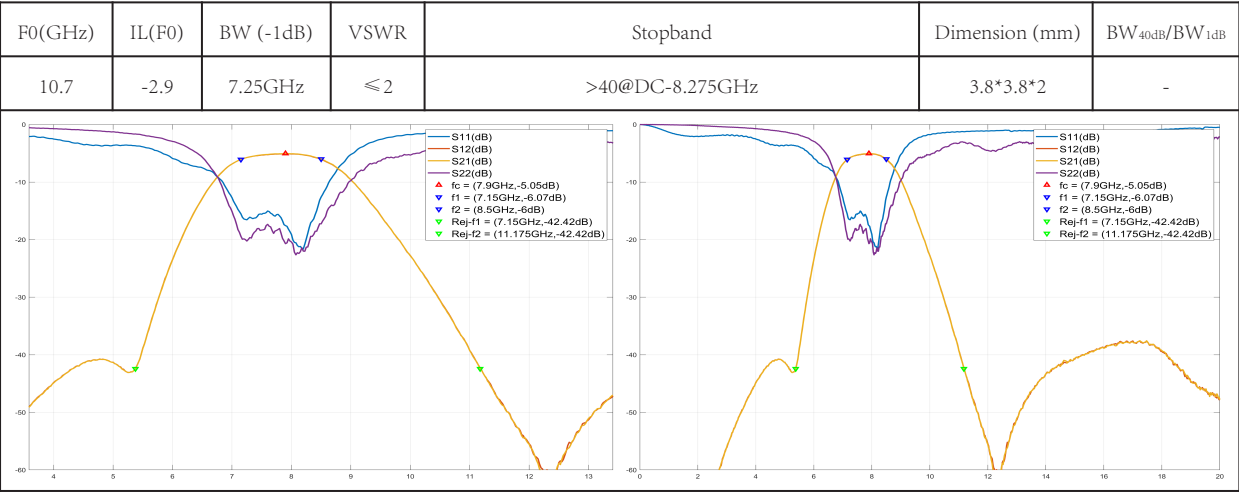
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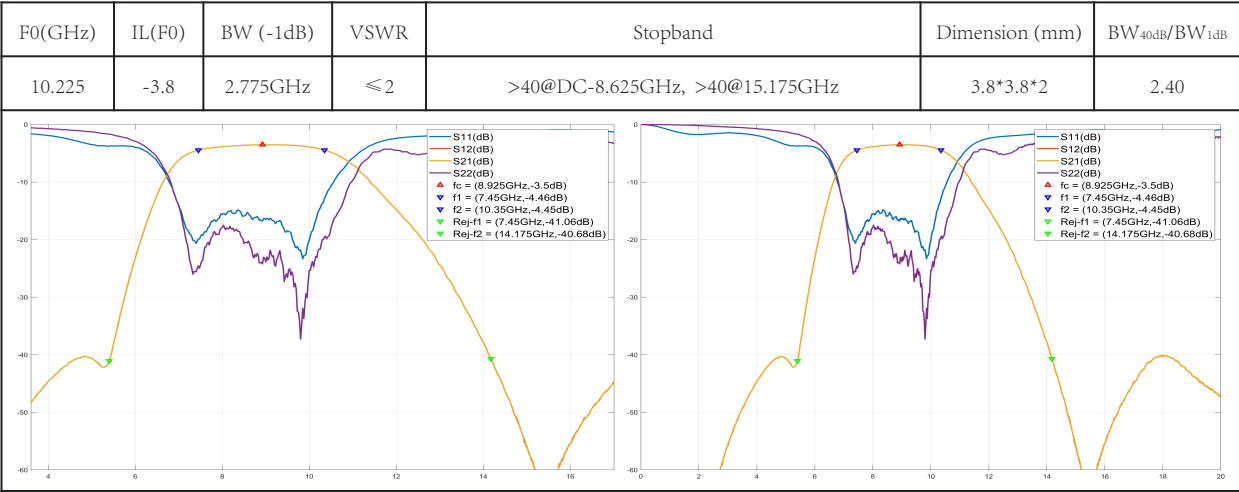
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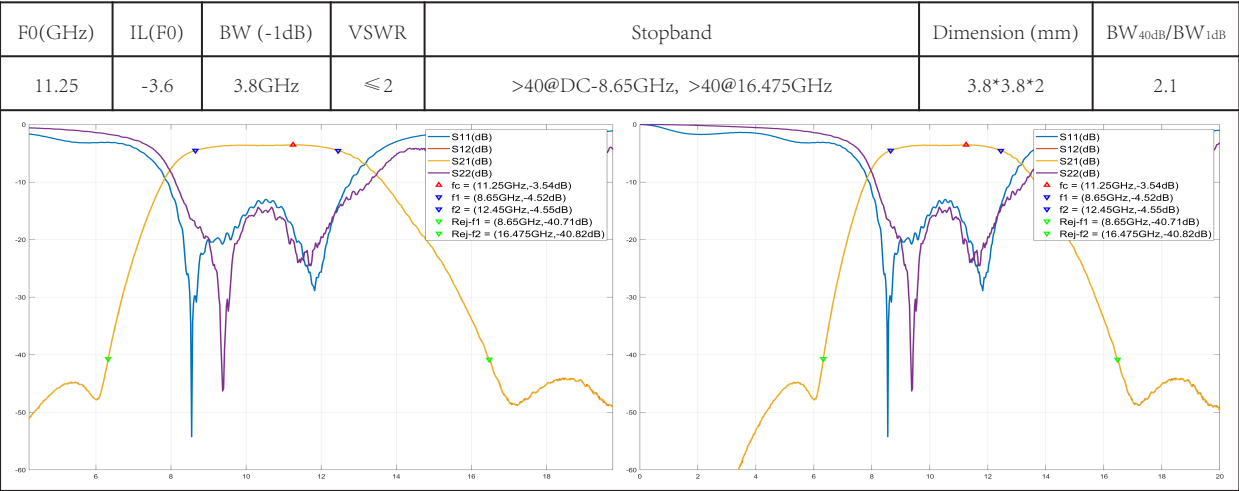
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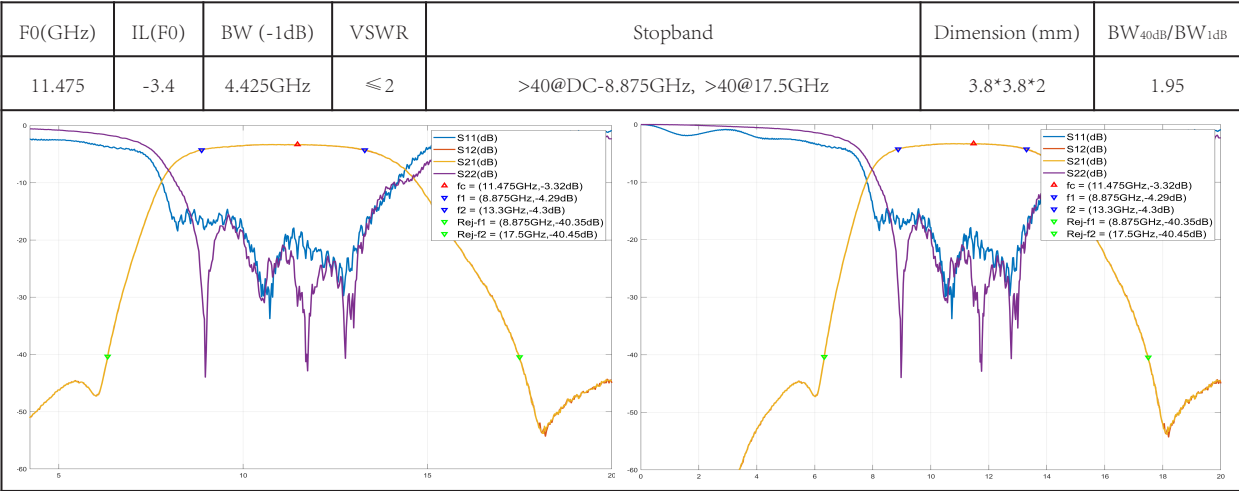
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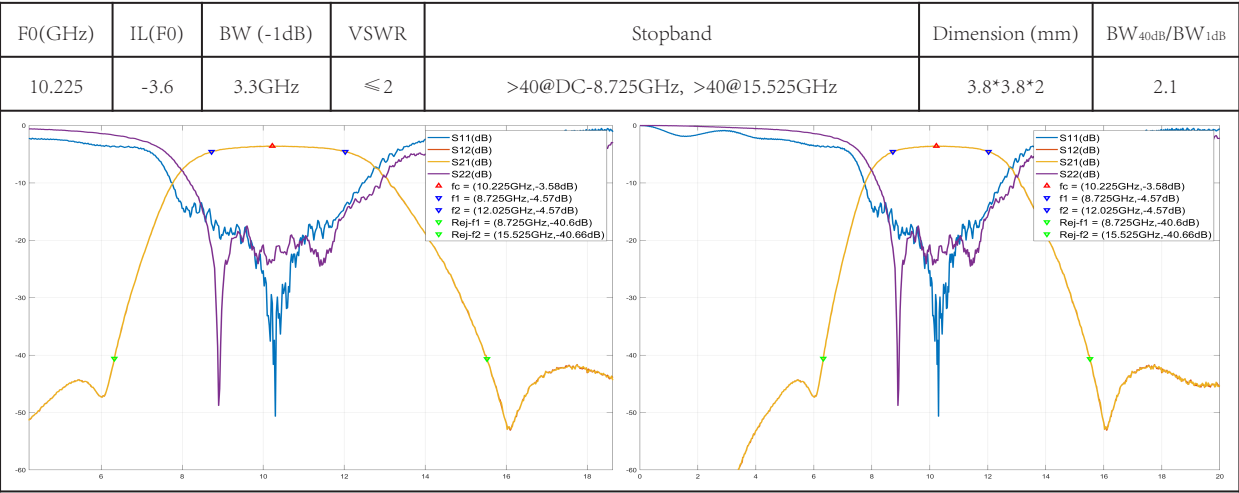
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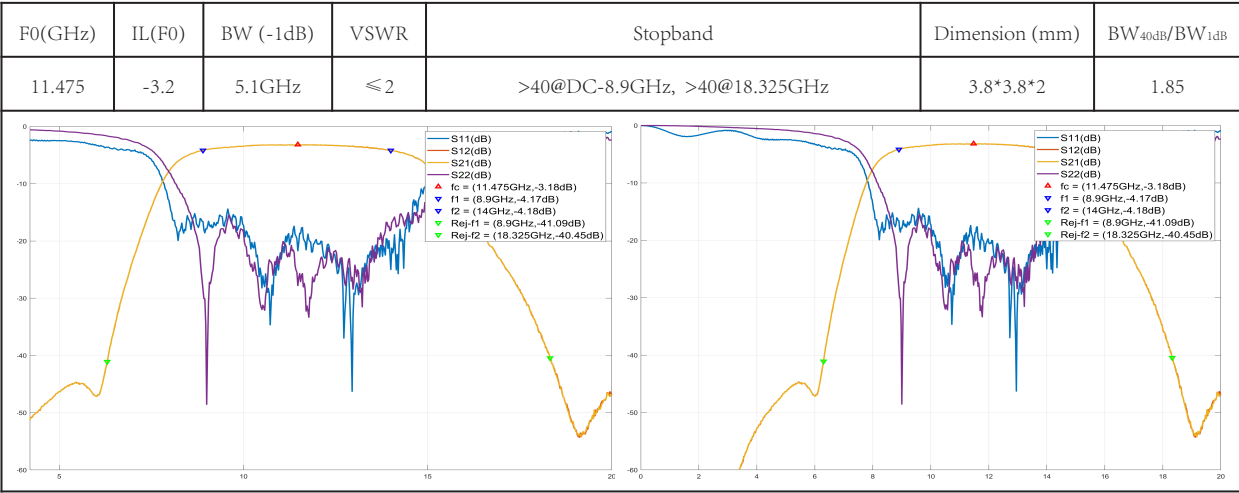
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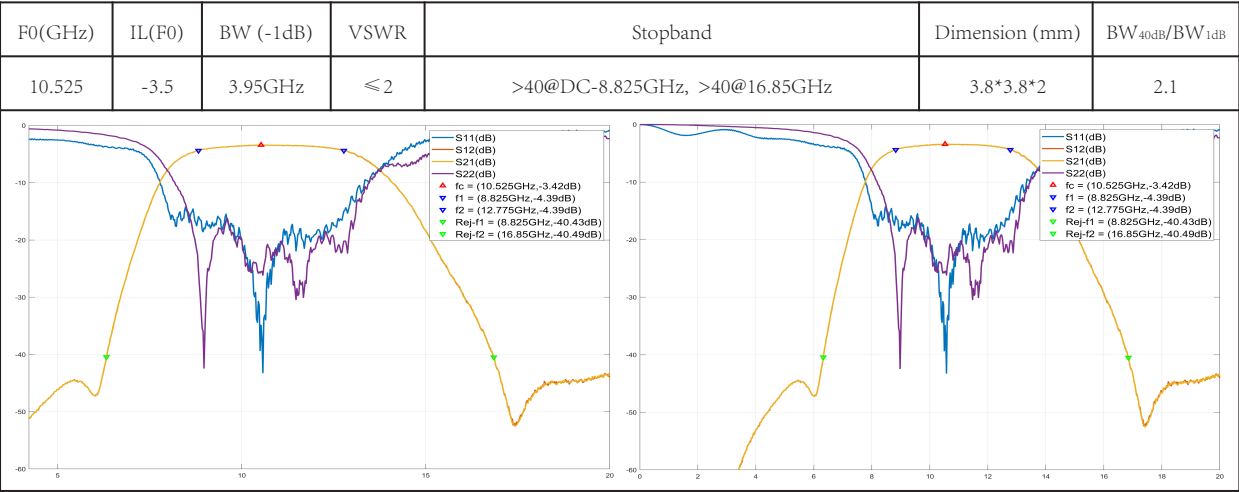
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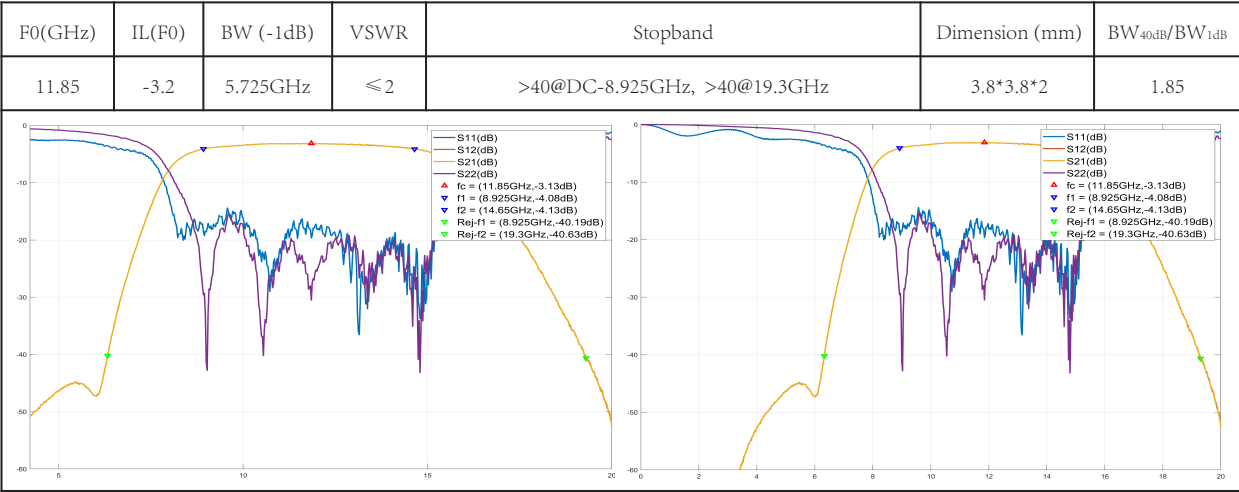
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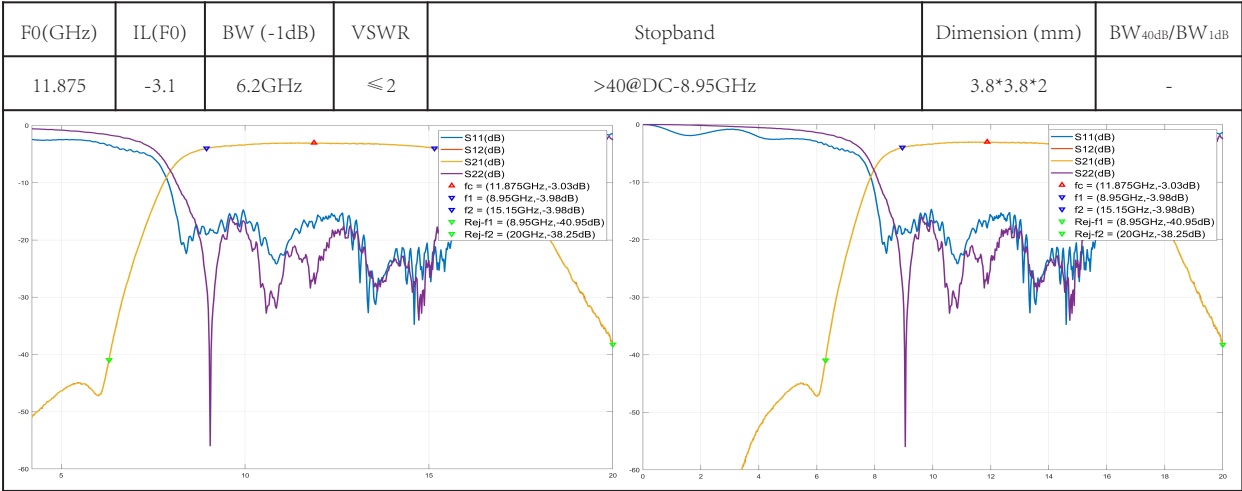
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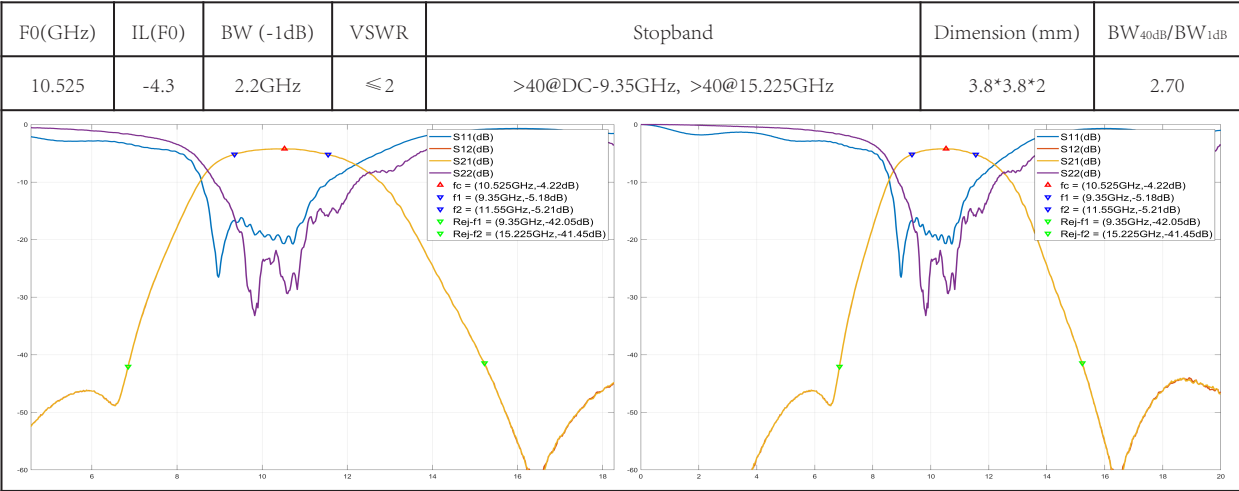
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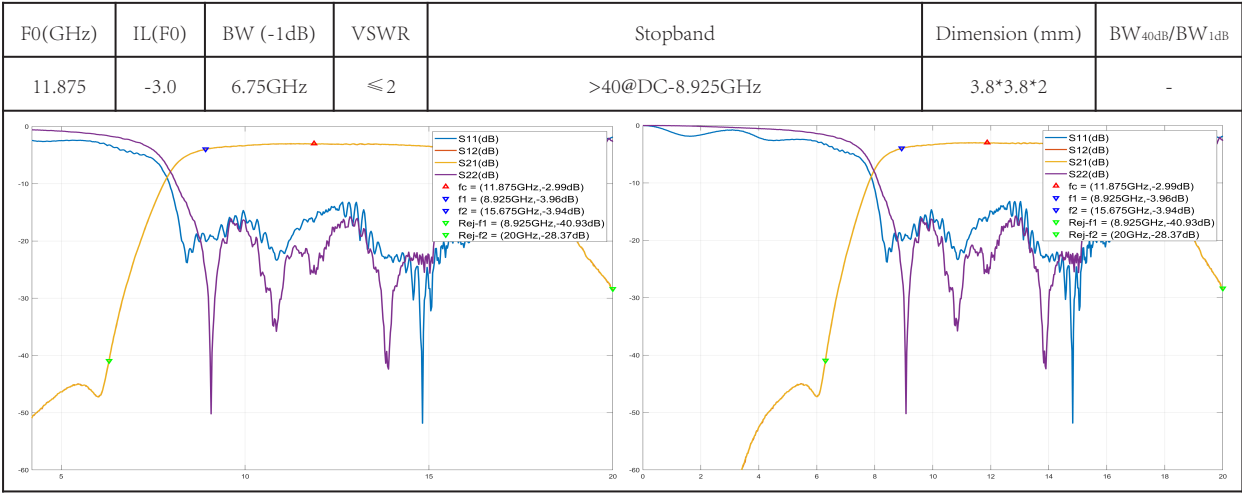
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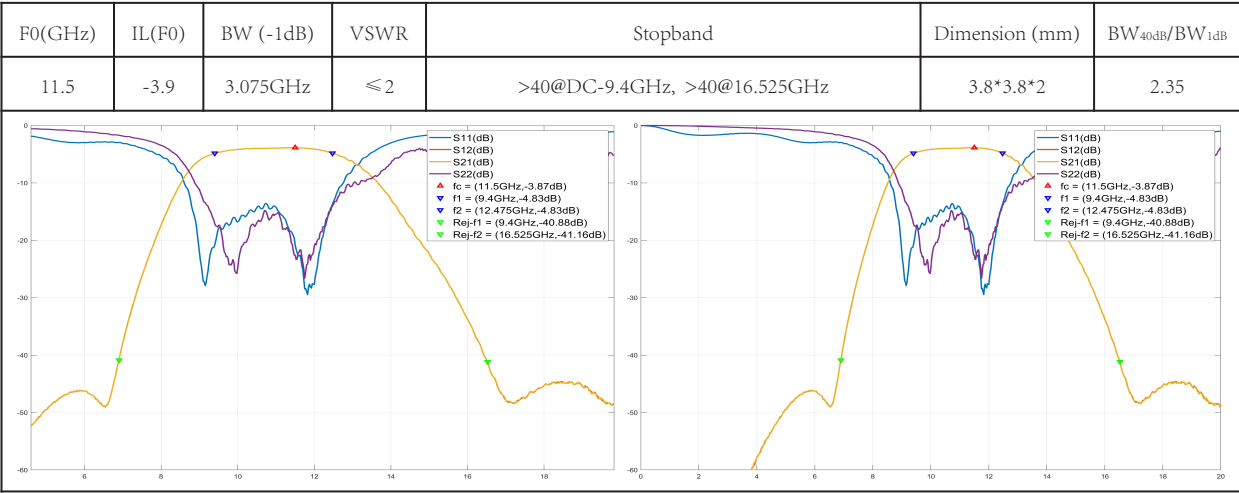
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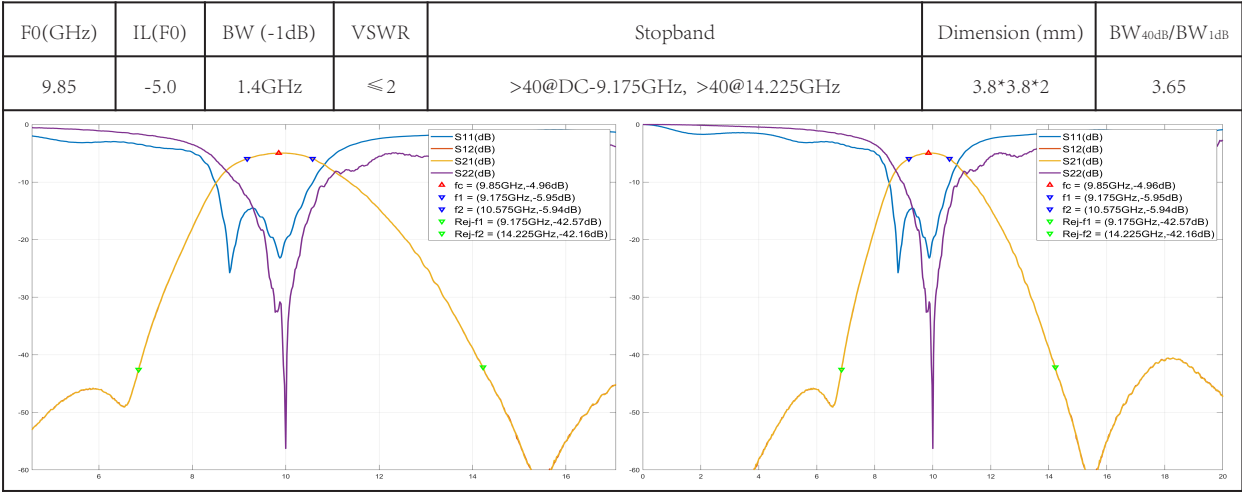
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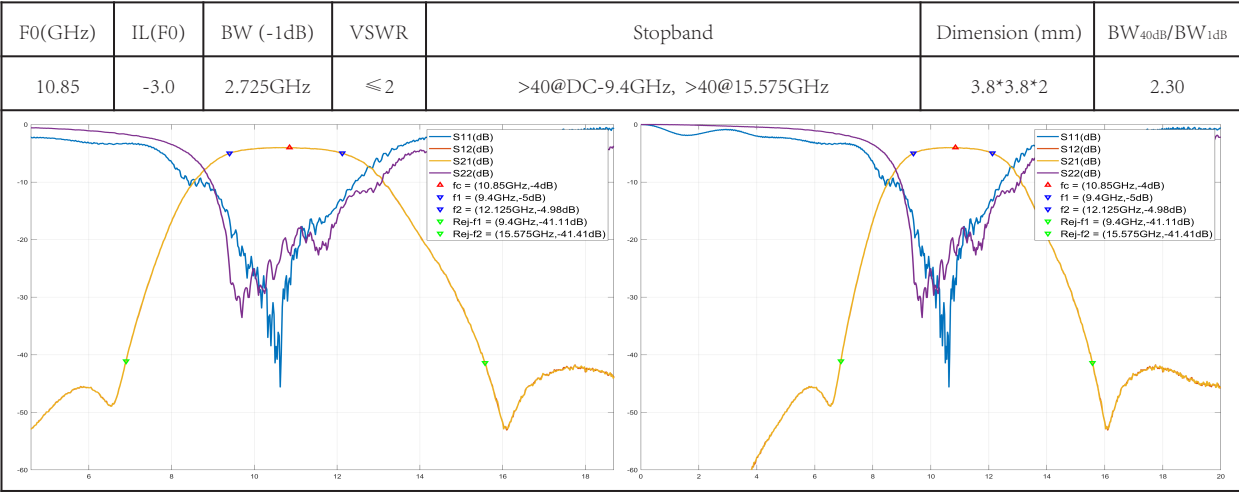
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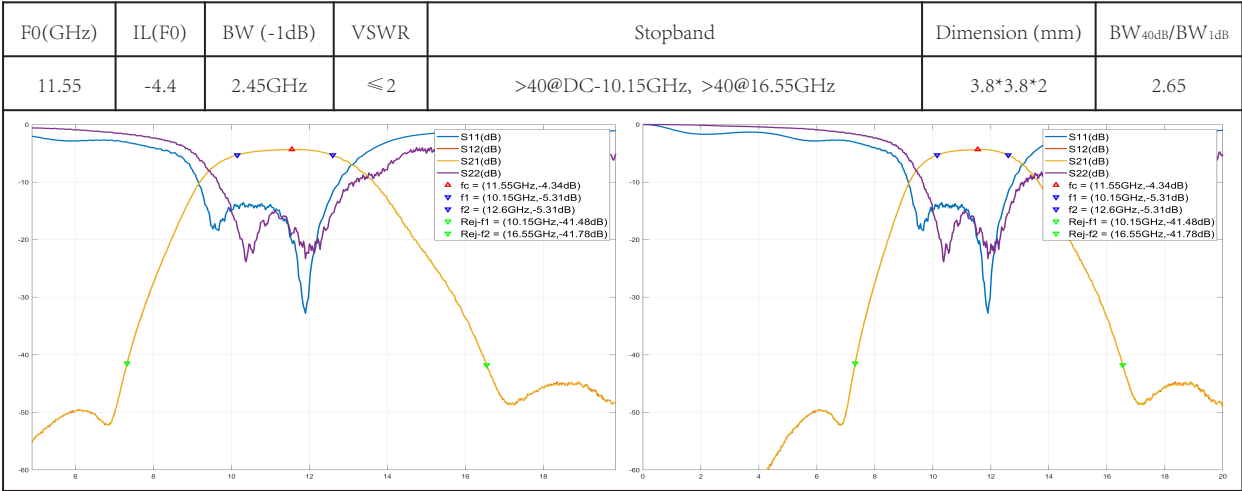
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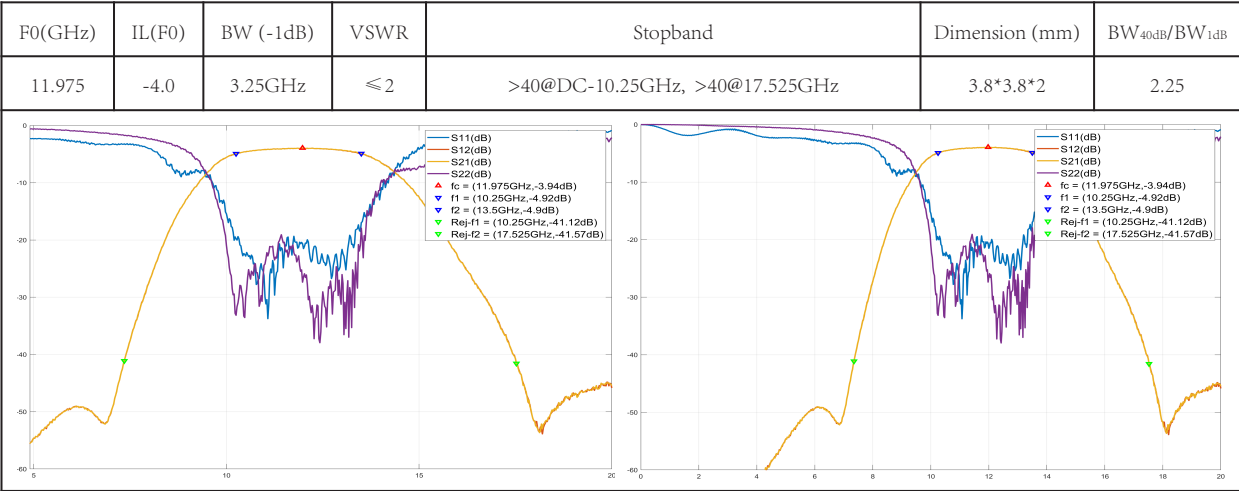
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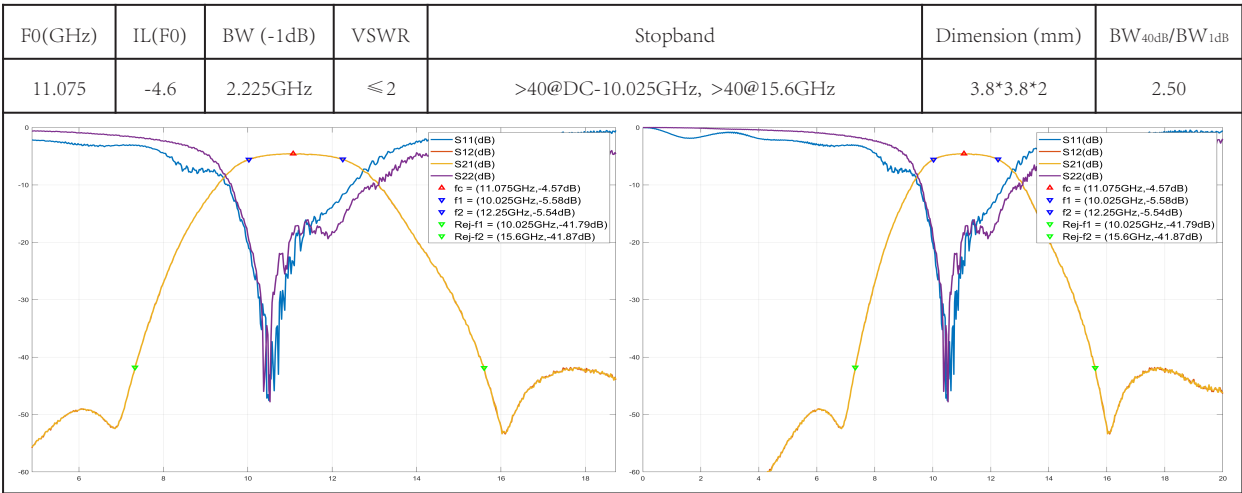
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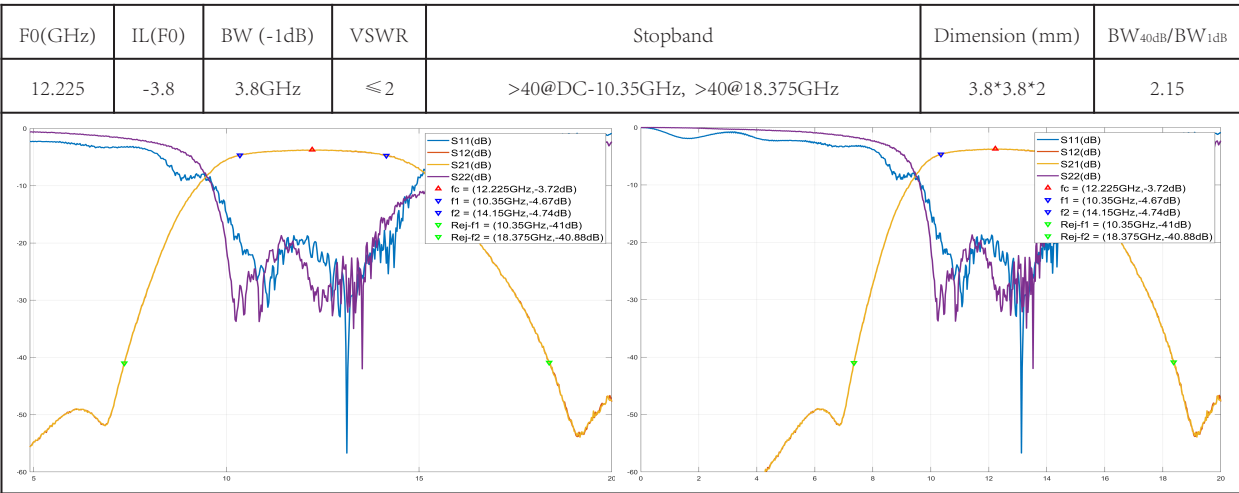
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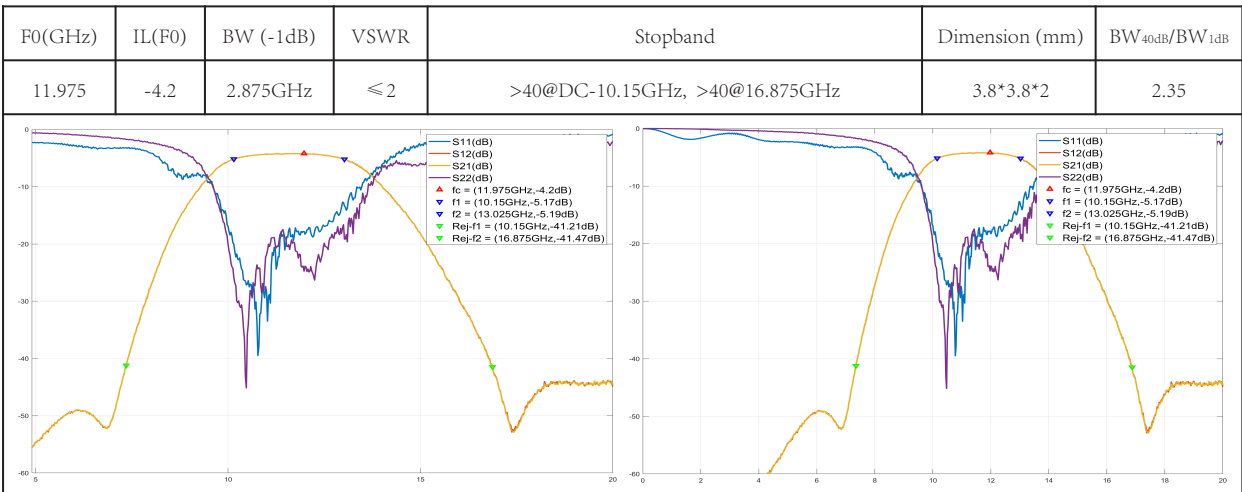
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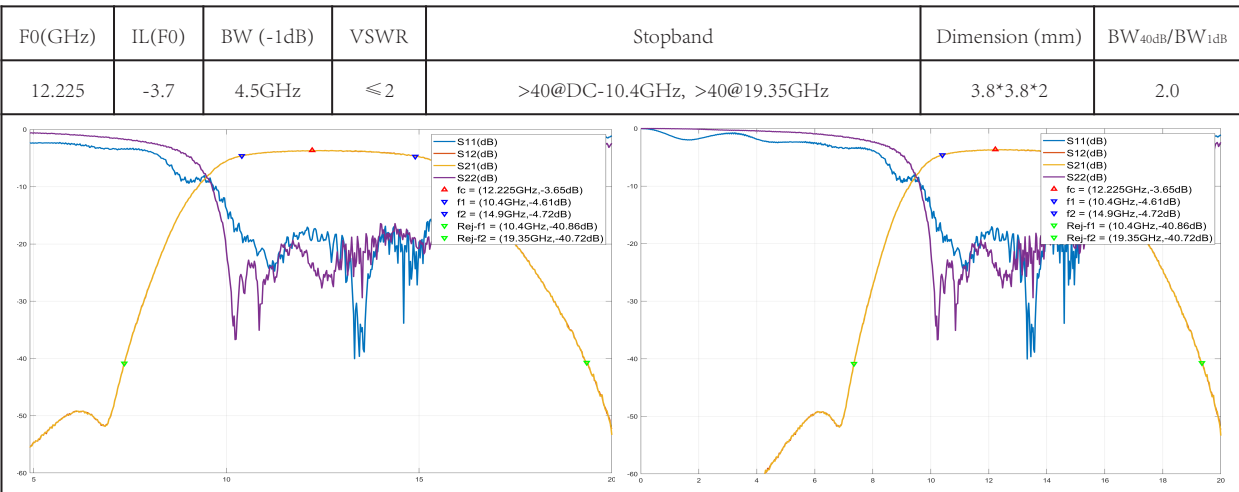
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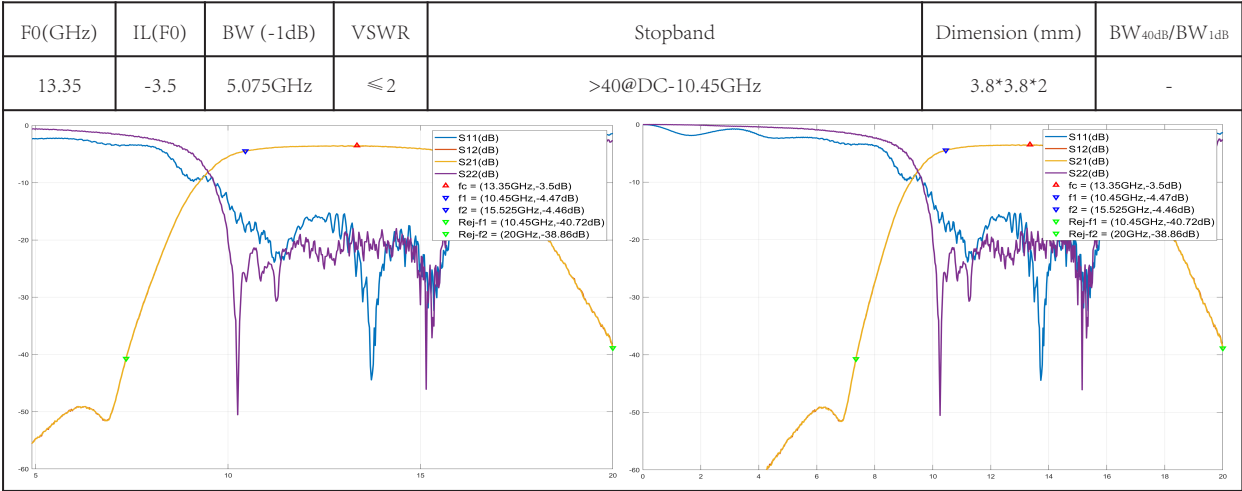
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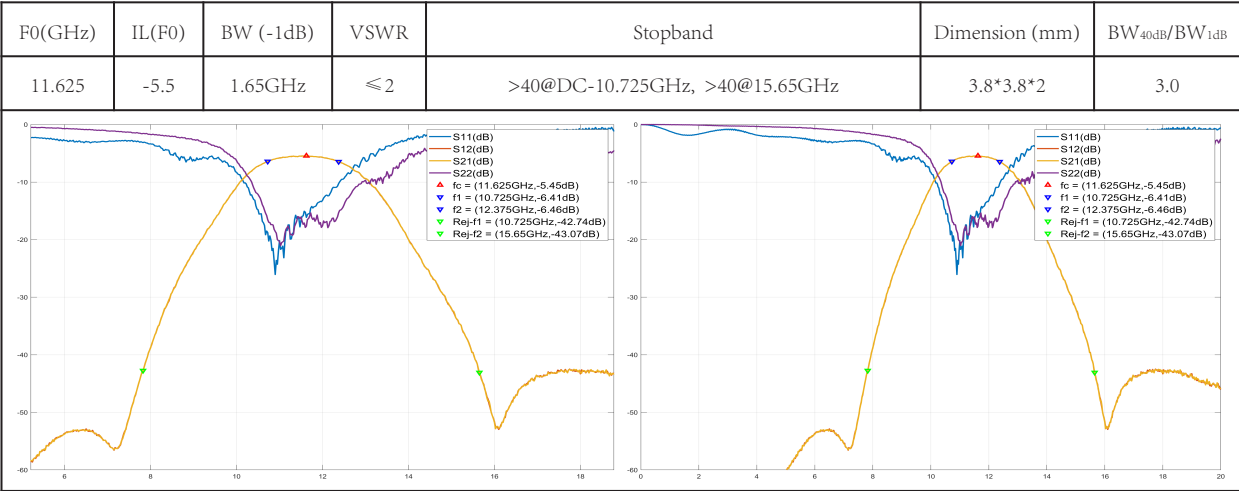
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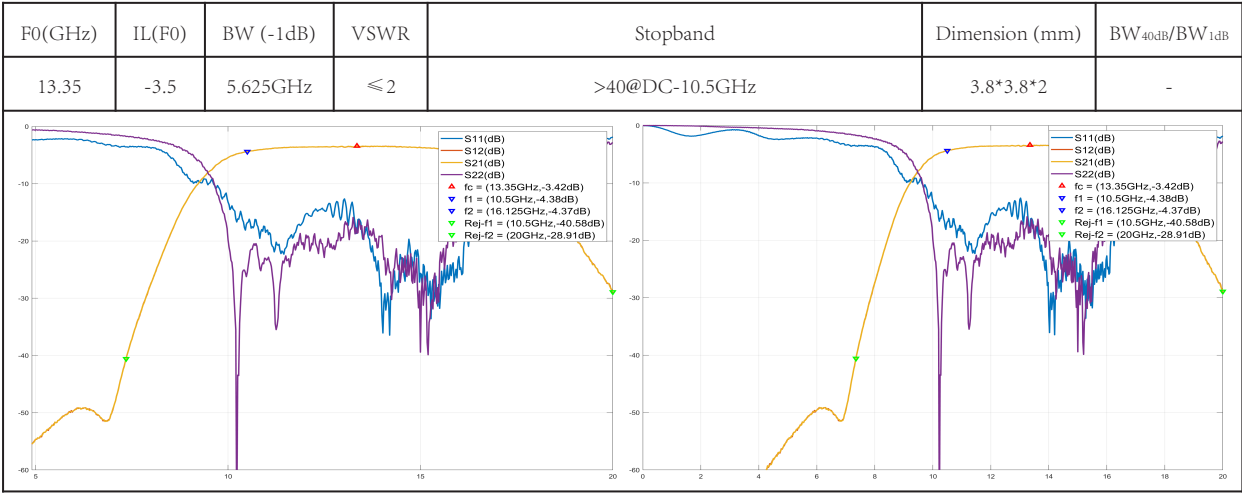
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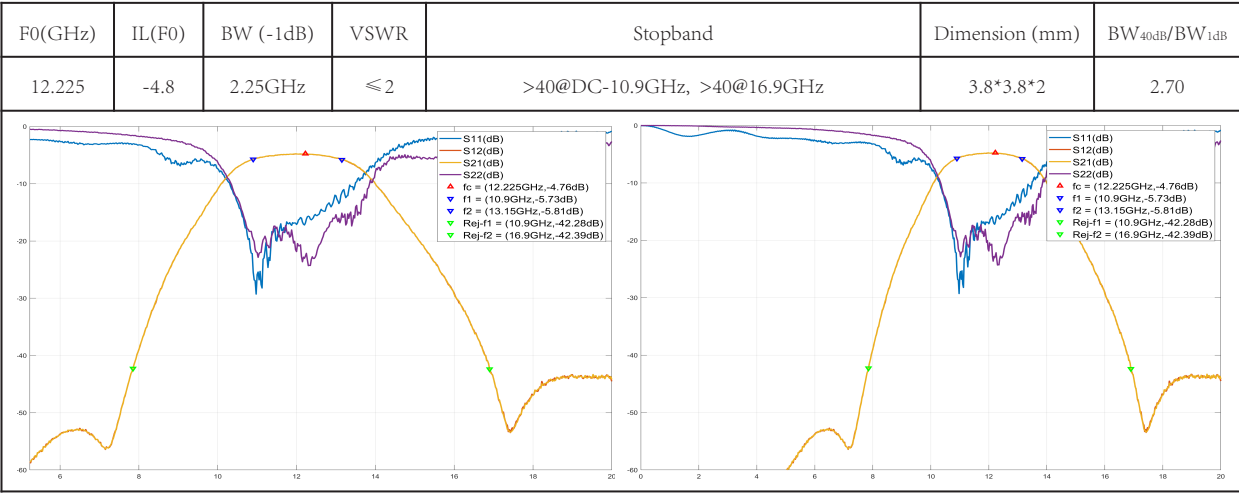
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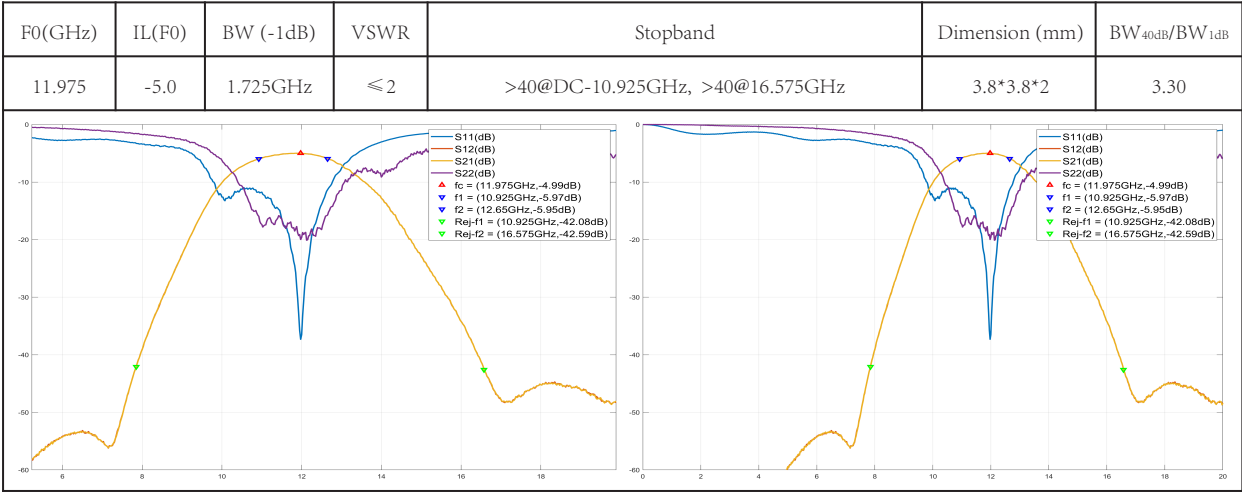
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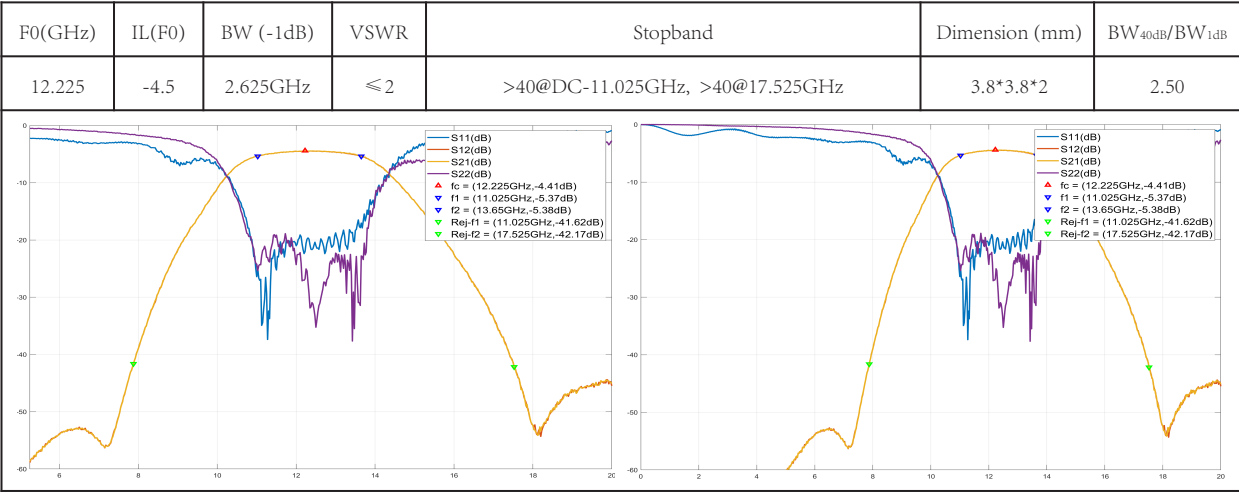
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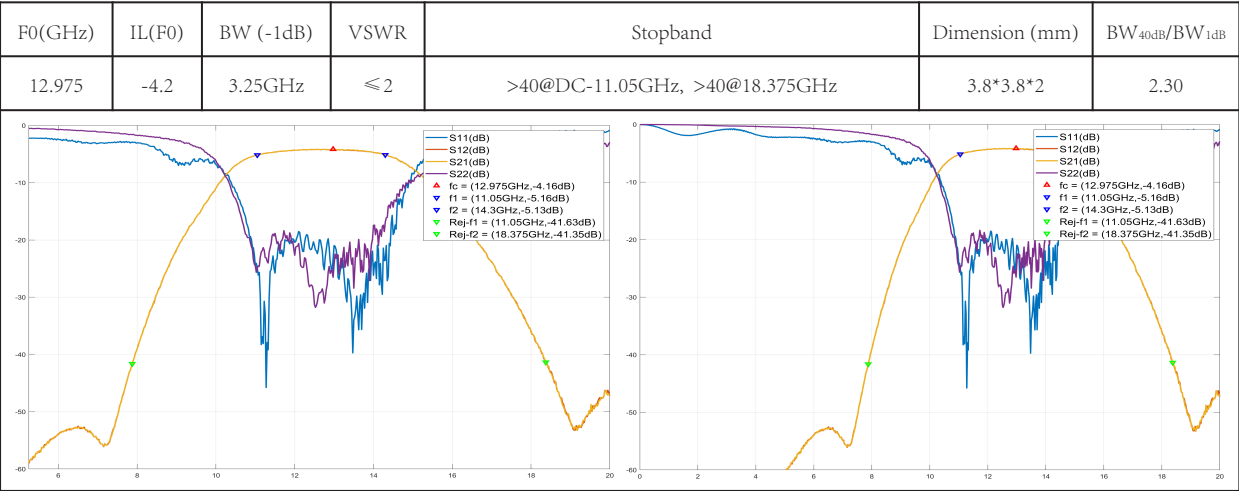
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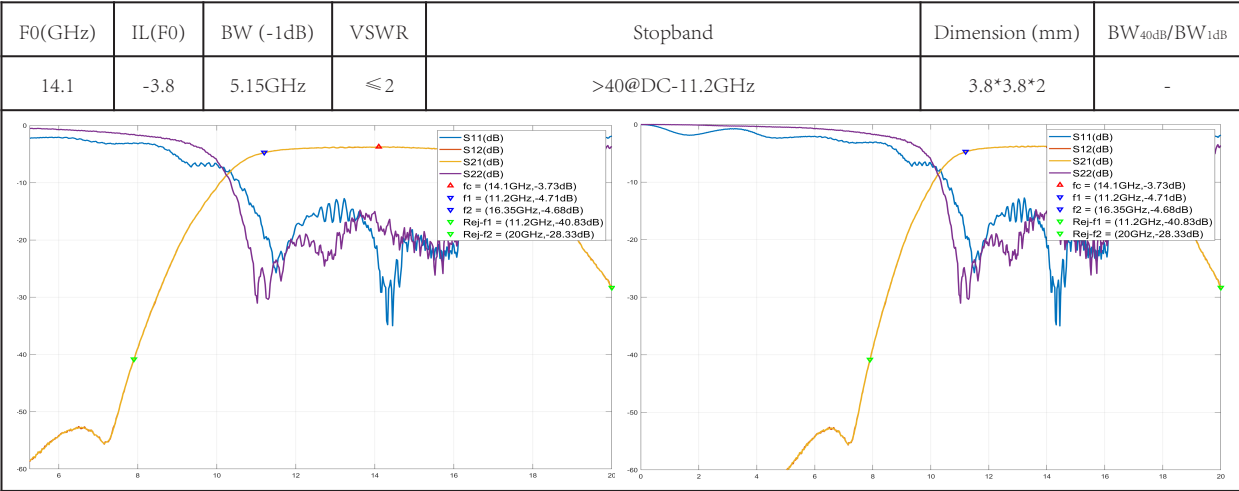
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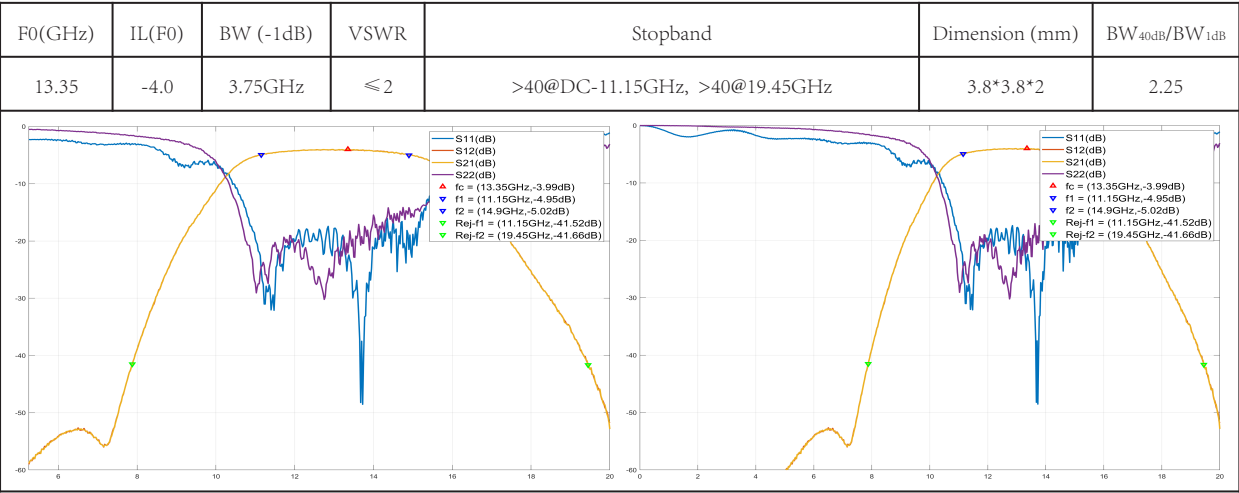
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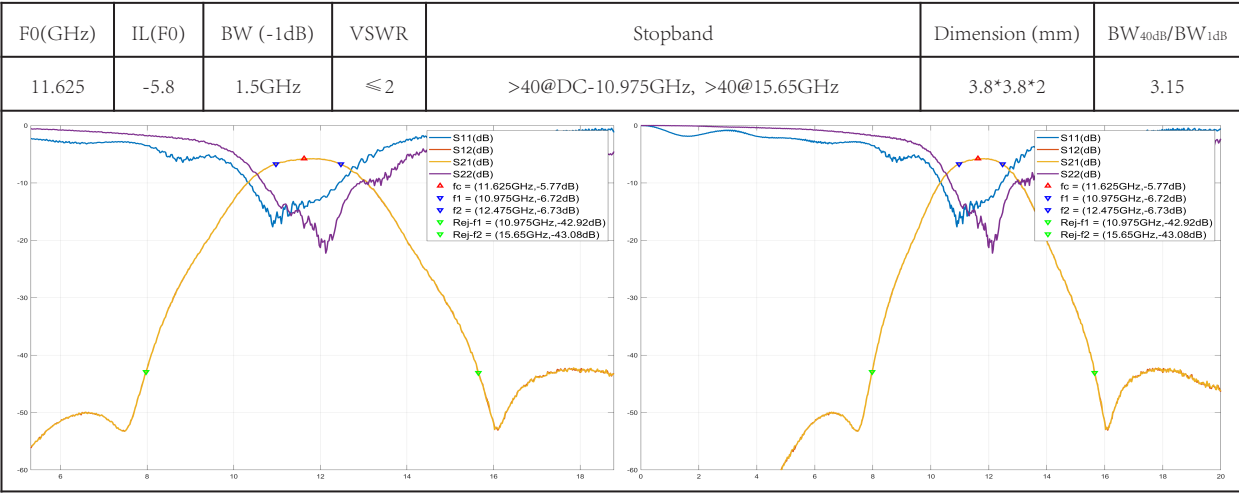
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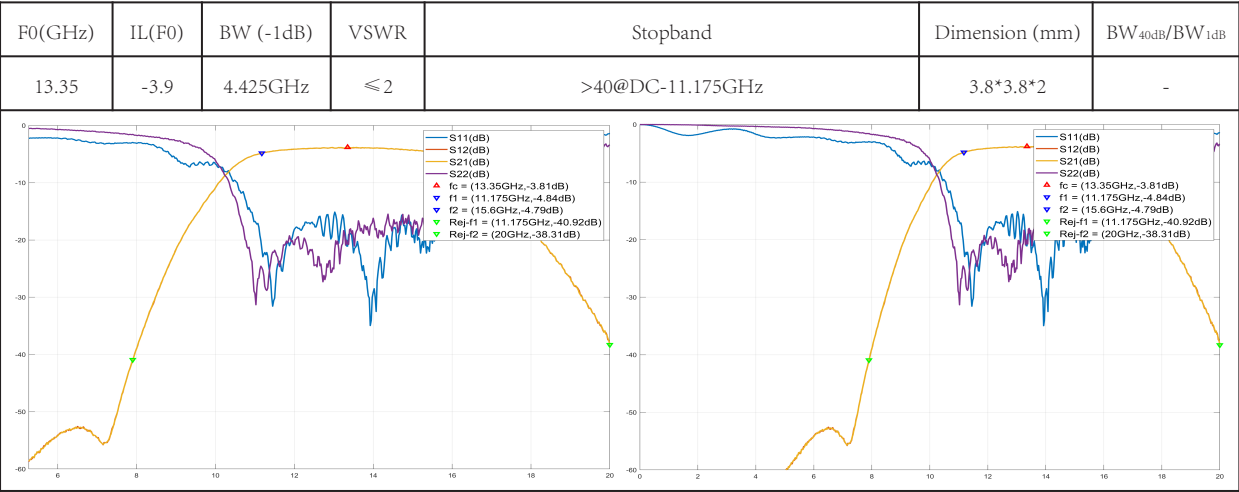
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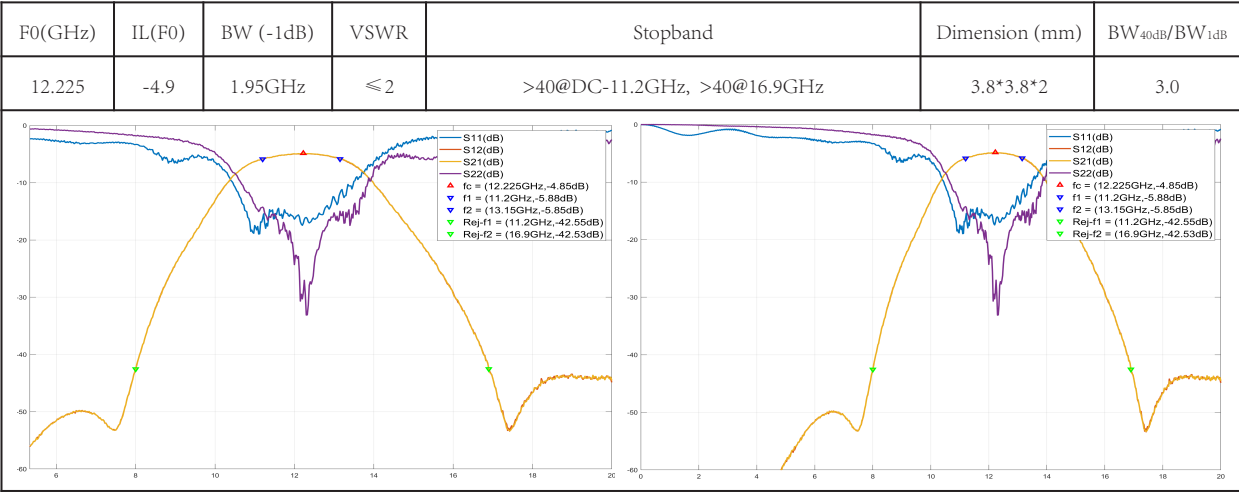
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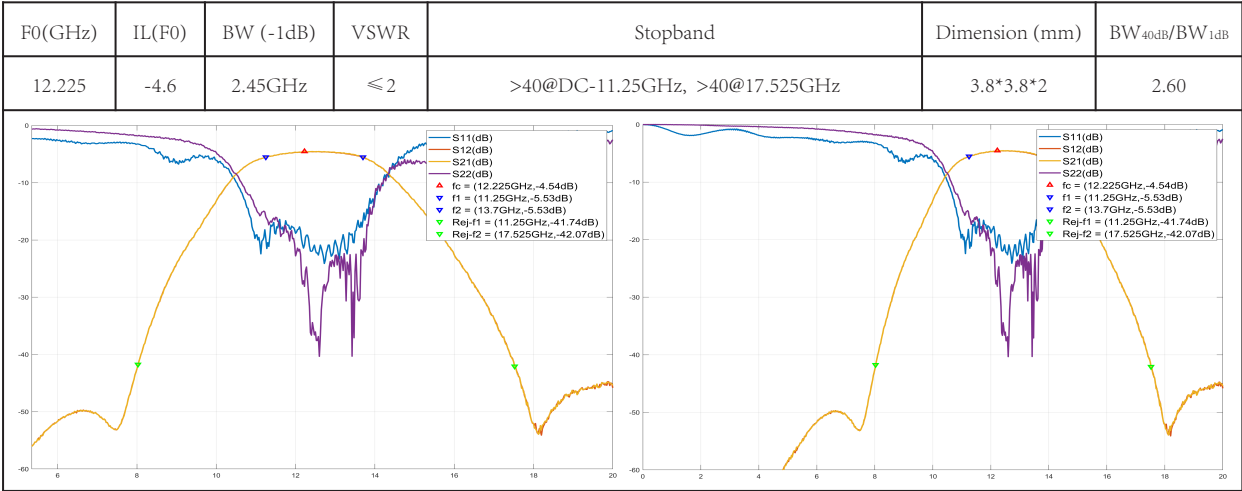
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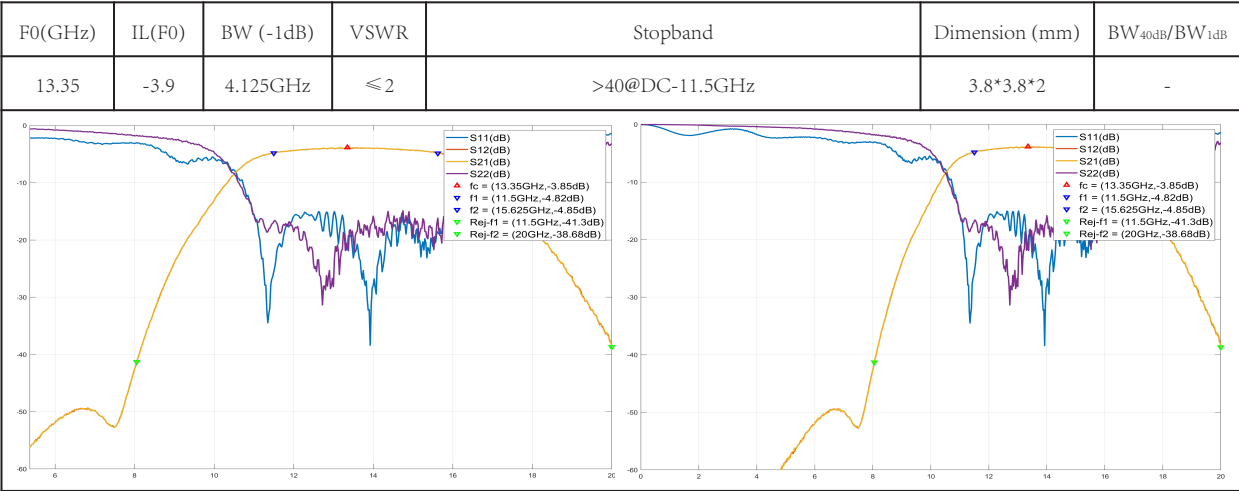
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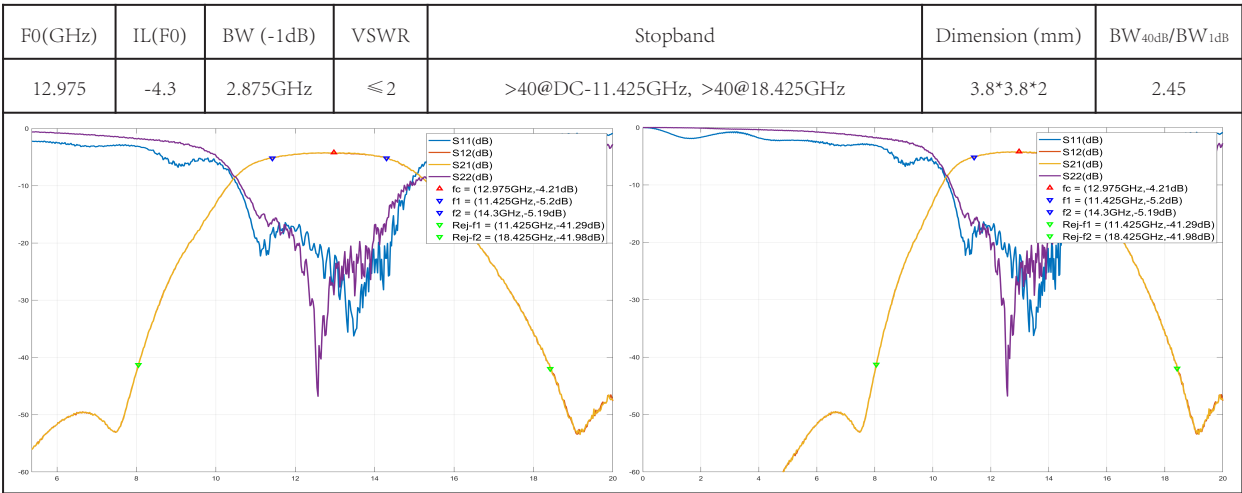
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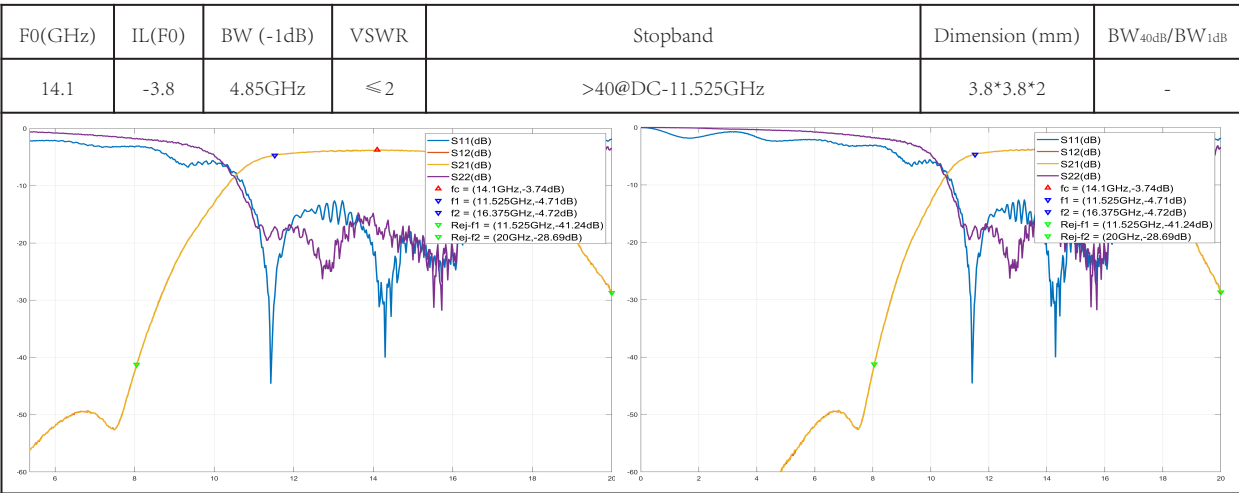
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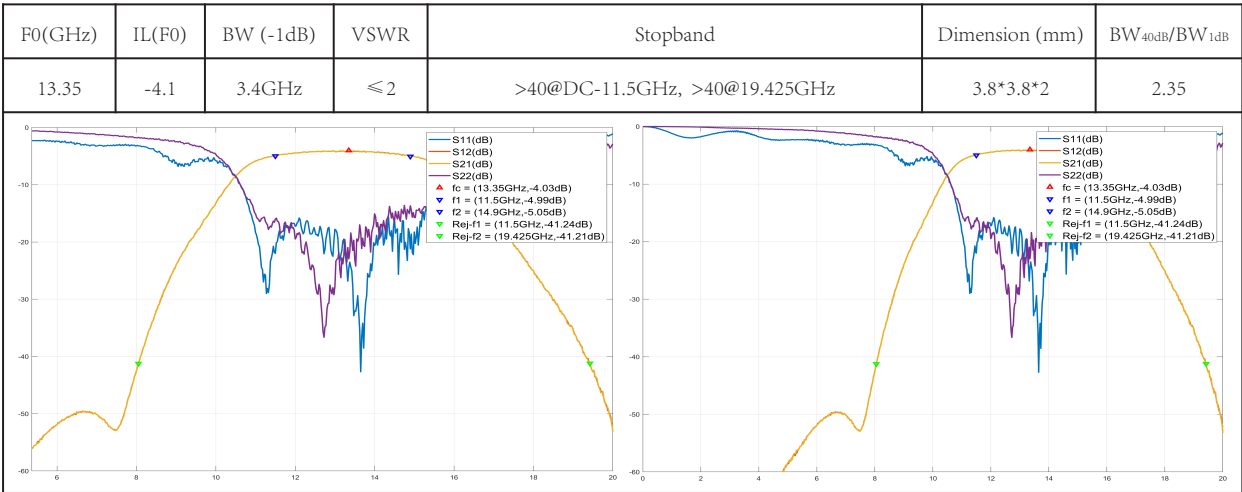
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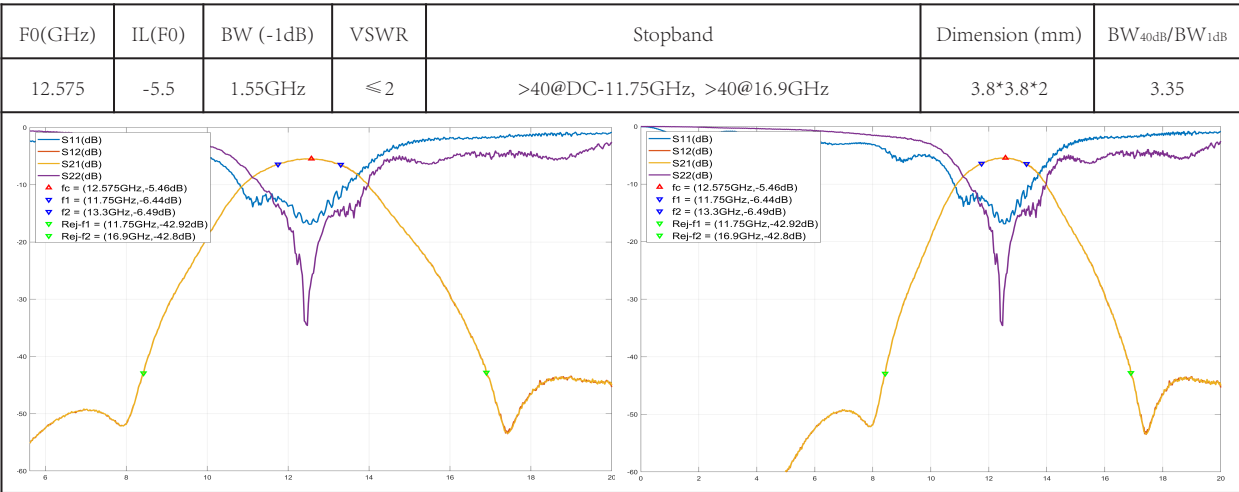
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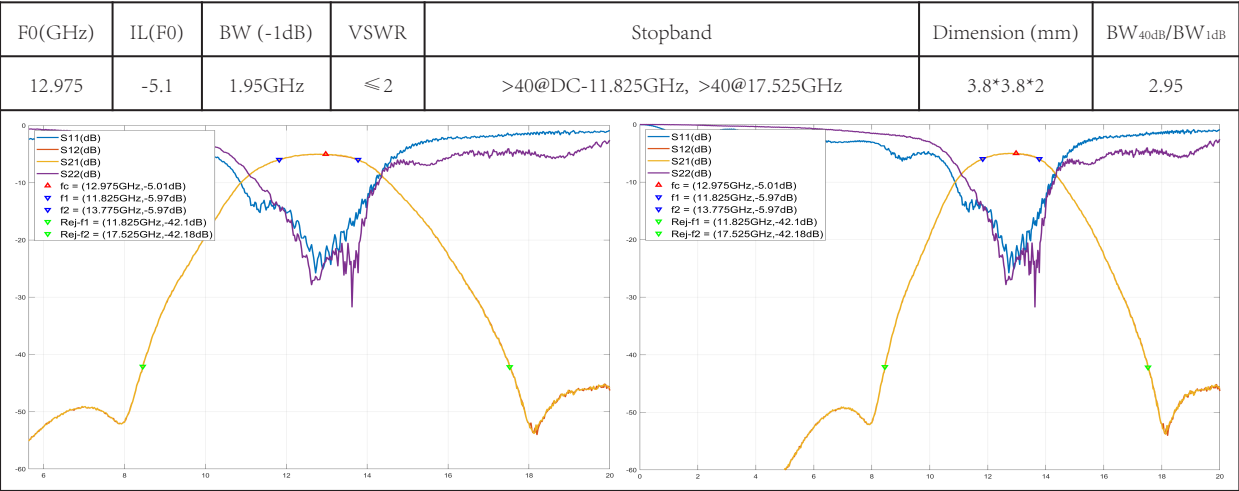
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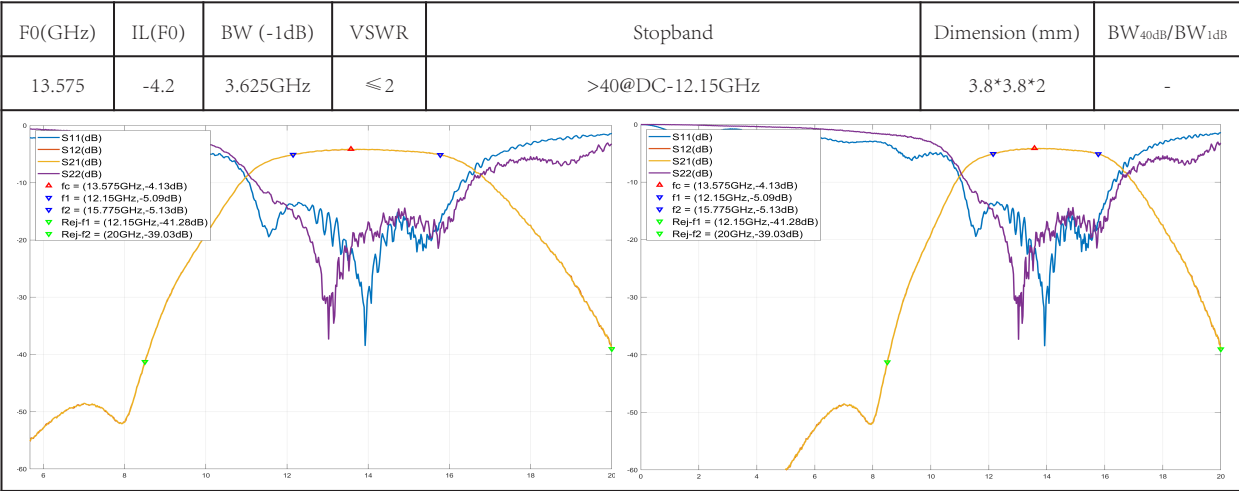
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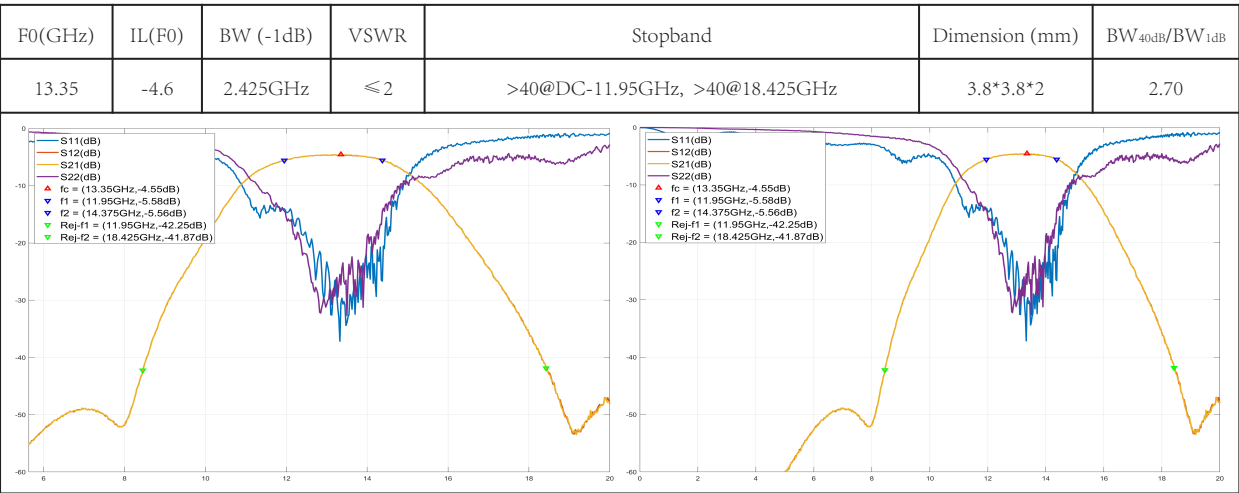
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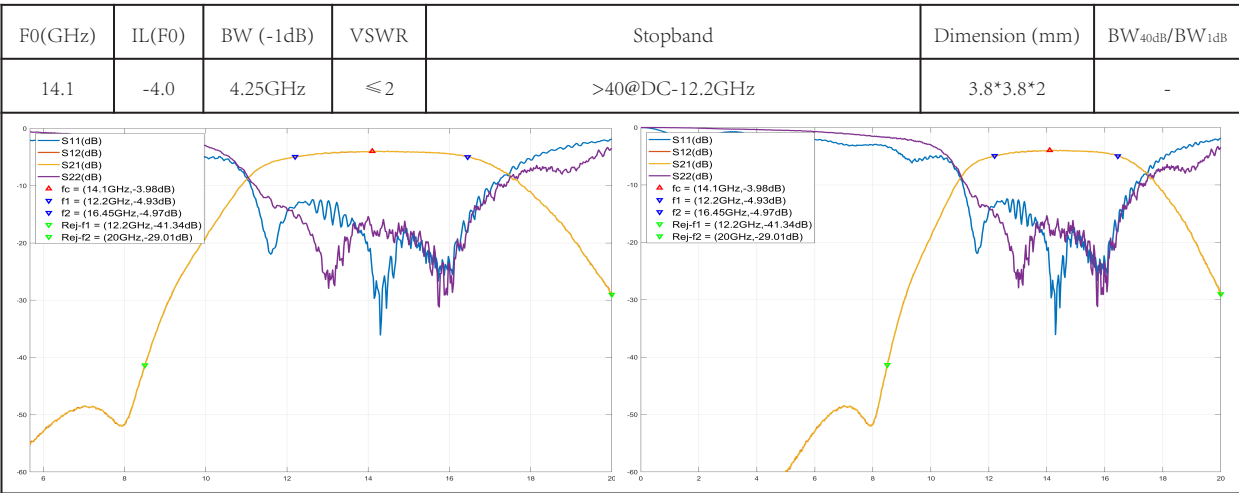
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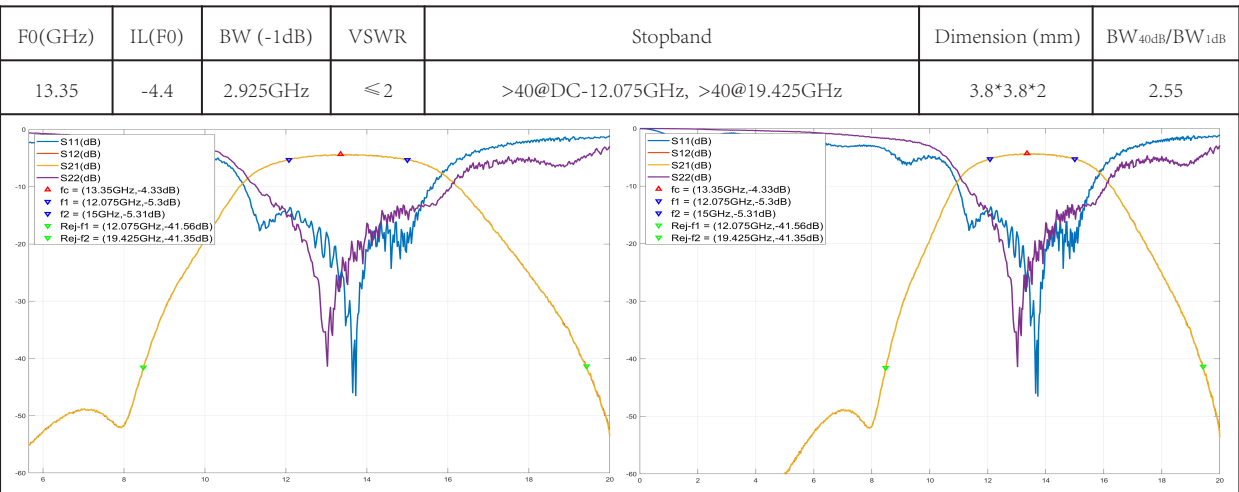
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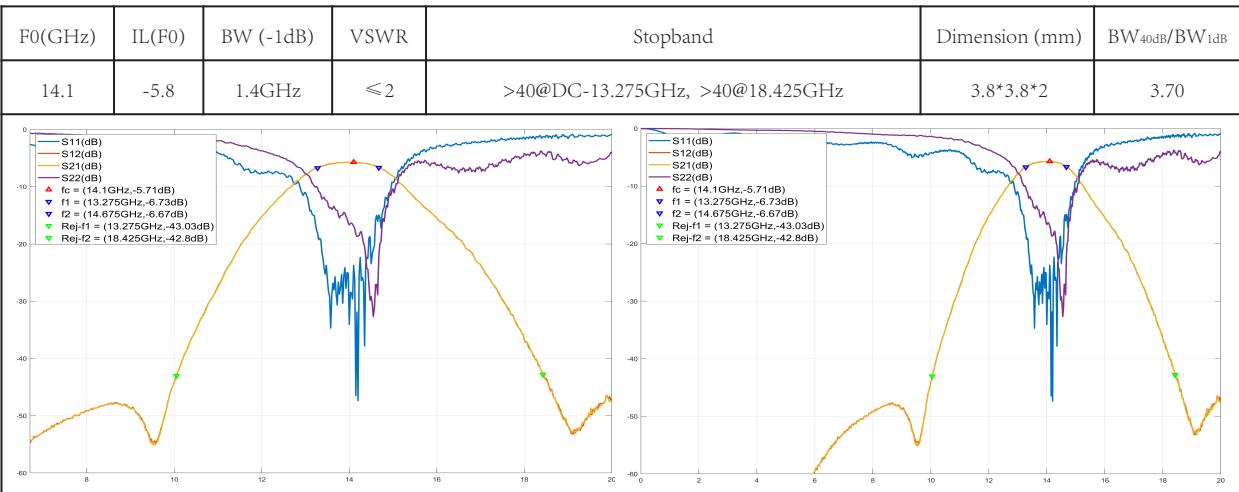
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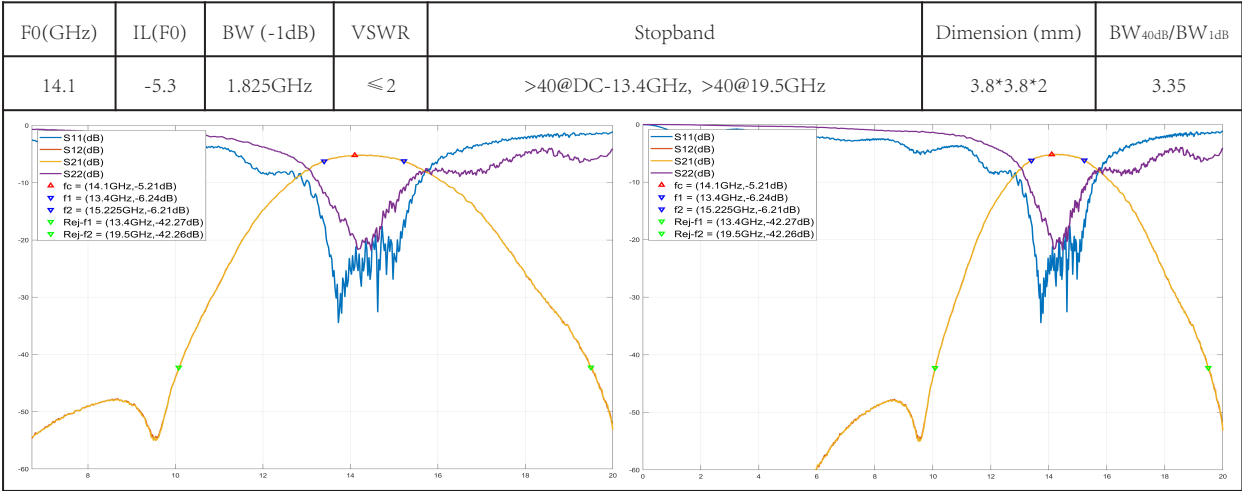
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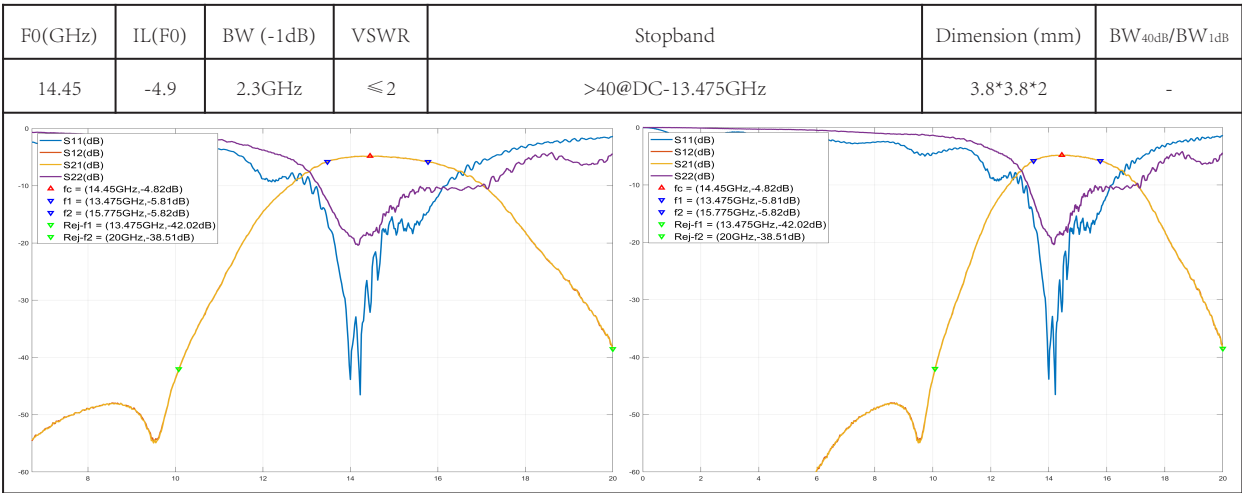
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