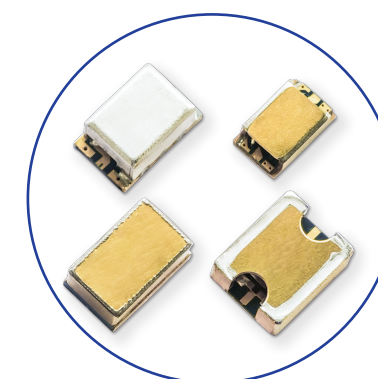
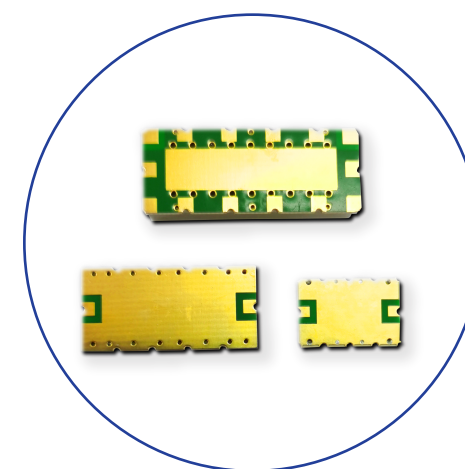




Yun Micro Electronics Ltd. (China) -----Custom Microwave Filters



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**Professional Customized
Microwave Filters**

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COMPANY PROFILE



Hefei Yunzhi Microelectronics Co., Ltd (hereinafter referred to as Yunzhi Micro Company) is a private high-tech enterprise, founded in 2015. It specializes in the design and manufacture of microwave filters, frequency source components and other series of products. At present, the varieties of filters designed and manufactured by Yunzhi Micro are categorized by function: low-pass filter, high-pass filter, band-pass filter, band-stop filter, etc.; categorized by structure: LC filter, cavity filter, dielectric filter, waveguide filter, tubular filter and so on. Other passive products include frequency dividers, duplexers and multiplexers, etc. The products are widely used in aviation, ballistic, radar, communication, electronic counter-measures and civil communication, etc. They have been adopted by many outstanding research institutes and manufacturers in China, replacing similar imported products.

The strong design capability of Yunzhiwei is a strong guarantee for the advanced and reliable products. At present, the company has fully adopted computer-aided design, not only applying the international well-known software, such as CST, MICROWAVE OFFICE, EESOF, etc., but also the self-developed software COMBFIL, which ensures the accuracy of the design, and this is the place where Yunzhiwei distinguishes itself from its domestic counterparts, and it is also the key to the lead, in the field of microwave devices pursuing the technology of the In the field of microwave devices, the added value of technology is very high, and this software ensures the technological advancement and the need of our continuous exploration. In addition, the company is equipped with its own machine shop, which shortens the processing cycle and greatly improves the work efficiency, and can satisfy both orders with small quantities and short lead times, as well as the production of batch products.

At the beginning of its establishment, Yunzhiwei set up a modern enterprise management system, and at the same time embarked on the certification of international standard ISO 9001 quality assurance system. In March 2017, it passed the certification of GJB 9001B-2009 and GB/T 19001-2008/ISO 9001:2008 standard, and in March 2018, it passed the certification of GJB 9001C-2017 and GB/T 19001-2016/ISO 9001:2015 replacement certification. Yunzhiwei was recognized as a high-tech enterprise by the Science and Technology Department of Anhui Province in 2018. In October 2019, it obtained the Certificate of Class III Secrecy Qualification for Weapons and Equipment Scientific Research and Production Units. On August 29, 2020, it passed the Qualification of Equipment Contractor and the GJB 9001C-2017 two certificates review, and it has the qualification of military products scientific research and production.

Yunzhiwei owns the state-owned construction land use right of 10,698 square meters and the building ownership of 10,995.87 square meters of the building area of No.-1, West Third Road, Electromechanical Industrial Park, Hi-Tech Zone, Hefei City, which is sufficient area for scientific research and production, and lays the foundation for the development of the company.

OVERVIEW OF FILTERS

Basic Concepts of Filters

1. Definition

A filter is a key component in an electronic system. It is used to fulfill the function of frequency selection. Its ideal characteristics are : allow a specific frequency band, such as $f_1 \sim f_2 = \Delta B$ to pass through, and inhibit the rest of the frequency band $f < f_1$ and $f > f_2$, that is, blocking them from passing ($f_2 > f_1$).

2. Classification (according to performance indicators)

► Lowpass Fitter (Figure 1): $f_1=0$, the frequency of DC~ f_2 is allowed to pass, and the frequency higher than f_2 is suppressed.

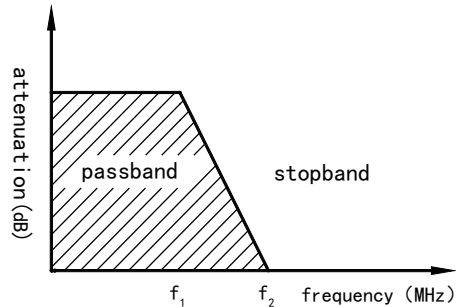


Figure 1 Low-pass filtering response

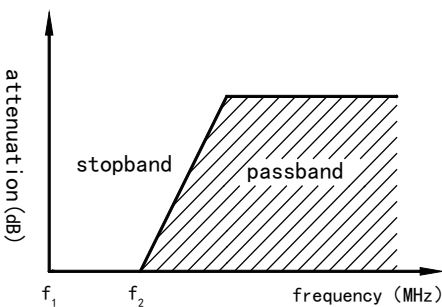


Figure 2 High-pass filtered response

► Highpass Fitter (Figure 2): $f_2=\infty$, frequencies from $f_1 \sim \infty$ are allowed to pass, and frequencies below f_1 (DC ~ f_1) are suppressed.

► Bandpass Fitter (Figure 3): Frequency bands of $f_1 \sim f_2$ with left and right non-limit values are allowed to pass, and frequencies below f_1 (DC~ f_1) and above f_2 ($f_2 \sim \infty$) are suppressed.

► Bandstop Fitter (Figure 4): Frequency bands of $f_1 \sim f_2$ with both left and right non-limit values are not allowed to pass, and frequencies below f_1 (DC~ f_1) and above f_2 ($f_2 \sim \infty$) are allowed to pass.

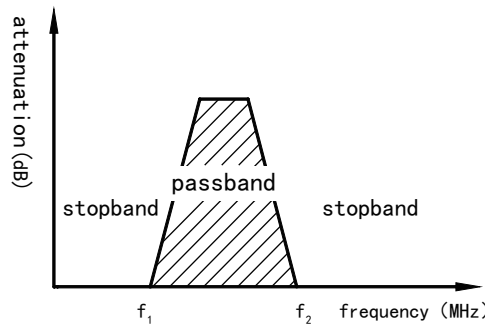


Figure 3 Bandpass filtering response

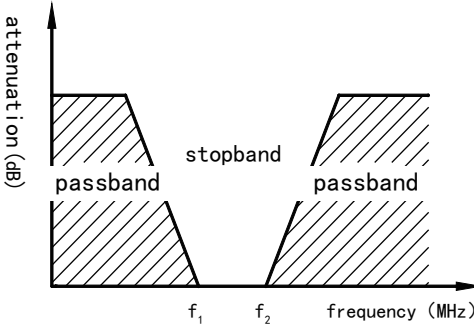


Figure 4 Bandstop filter response

Note: ∞ in the above definition is in practice always a finite value that satisfies the requirements of the process application.

3.Working Principle

The filter presents matched transmission of frequency signals in the passband, and reflects and attenuates the mismatch of frequency signals in the stopband, thus realizing the function of signal spectrum filtering.

Main parameters of the filter

1. Center Frequency

The center frequency of the passband of the filter f_0 , generally calculated as $f_0 = (f_1 + f_2)/2$, where f_1 and f_2 are the left and right frequencies, respectively, relative to the decline at the 1dB or 3dB edge frequency point of the bandpass or bandstop filter. Narrow-band filters are often used to calculate the passband bandwidth at the center frequency of the minimum insertion loss.

2. Cutoff Frequency

It refers to the frequency point on the right side of the passband of a low-pass filter and the frequency point on the left side of the passband of a high-pass filter. It is usually defined by 1dB or 3dB relative loss point as standard. The reference for relative loss is: low-pass is based on the insertion loss at DC, and high-pass is based on the insertion loss at a sufficiently high passband frequency where no parasitic blocking band occurs.

3.Passband width ($BW_{x\text{dB}}$)

refers to the spectral width to be passed (Figure 5).

$BW_{x\text{dB}} = (f_2 - f_1)$, f_1 , f_2 for the center frequency f_0 at the insertion loss as a reference, drop X (dB) at the corresponding left and right frequency points. Usually, $X=3, 1, 0.5$, $BW_{3\text{dB}}$, $BW_{1\text{dB}}$, $BW_{0.5\text{dB}}$ are used to characterize the passband bandwidth parameters of the filter, and Figures 6 and 7 show the typical proportionality of $BW_{1\text{dB}}$, $BW_{0.5\text{dB}}$ and $BW_{3\text{dB}}$, respectively.

The fractional bandwidth $= BW_{3\text{dB}}/f_0 \times 100\%$ is also commonly used to characterize the filter passband bandwidth.

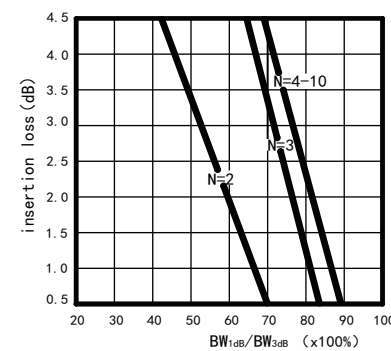


Figure 6 Typical ratio of $BW_{1\text{dB}}$ to $BW_{3\text{dB}}$

4.Insertion Loss

Due to the introduction of the filter on the circuit of the original signal brought about by the attenuation to the center or cutoff frequency at the loss characterized, such as the requirements of the full-band interpolation loss needs to be emphasized.

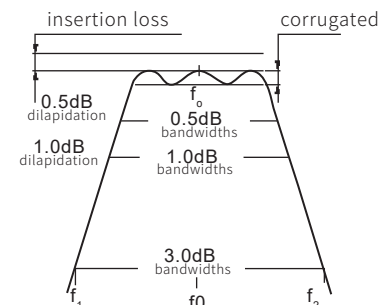


Figure 5 Insertion loss, bandwidth, and ripple definitions

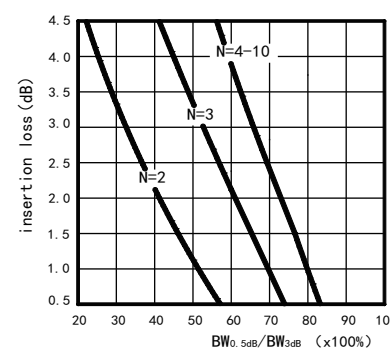


Figure 7 Typical ratio of $BW_{0.5\text{dB}}$ to $BW_{3\text{dB}}$

5.Ripple

It refers to the peak-to-peak value of the insertion loss fluctuating with frequency on the basis of the loss-mean curve within a 1 dB or 3 dB bandwidth (cutoff frequency) (Figure 5).

6.Passband Ripple

The amount of variation of insertion loss with frequency in the passband. the in-band fluctuation within a 1 dB bandwidth is 1 dB.

7.Band inhibition system

An important indicator of the performance of a filter selection. The higher the index indicates the better the suppression of out-of-band interference signals. There are usually two ways to refer to it:

①Nominal method: For the requirement of how many dB of suppression for a given out-of-band frequencies, calculated as the attenuation A_s -IL at f_s ;

②Comparison method: for proposing metrics to characterize how close the amplitude-frequency response of a filter is to the ideal rectangle:

The rectangularity factor ($K_{x\text{dB}} > 1$), $K_{x\text{dB}} = \frac{BW_{x\text{dB}}}{BW_{3\text{dB}}}$, X can be 60dB, 50dB, 40dB, 30dB, 20dB, etc.. The higher the number of filter sections, the higher the rectangularity, i.e., the closer K is to the ideal value of 1, and the more difficult it will be to make.

8.VSWR

An important measure of whether the signal in the passband of a filter is well matched for transmission. Ideally matched VSWR = 1:1, and mismatched VSWR > 1. For a practical filter, the bandwidth that satisfies VSWR < 1.5:1 is typically less than $BW_{3\text{dB}}$, and its percentage of $BW_{3\text{dB}}$ correlates with the number of filter sections and insertion loss. Figure 8 illustrates typical proportionality relationships.

[Example] A 4-section bandpass filter with a $BW_{3\text{dB}}$ of 60MHz and an insertion loss of 2.5dB is:

$$BW_{0.5\text{dB}} = 70\% \times 60 = 42\text{MHz};$$

$$BW_{1\text{dB}} = 78.9\% \times 60 = 47.3\text{MHz};$$

$$1.5:1 \text{ VSWR bandwidth} = 84.2\% \times 60 = 50.5\text{MHz};$$

$$\pm 5^\circ \text{Phase Linear Bandwidth} = 64.3\% \times 60 = 38.6\text{MHz};$$

(Note: The respective bandwidths calculated on the scale of Figures 6 to 9 are for design reference only, and the actual values are subject to an error of about 10%.)

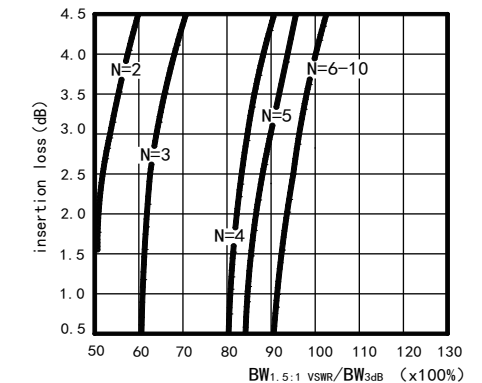


Figure 8 Typical ratio of 1.5:1 VSWR bandwidth to $BW_{3\text{dB}}$

9.Return Loss

The decibel (dB) number of the ratio of the input power to the reflected power of the port signal: $RL = |20\log_{10} p|$, p is the voltage reflection coefficient. When the input power is fully absorbed by the port, the return loss is infinite.

10.Procrastinate (T_d)

refers to the time required for the signal to pass through the filter, numerically the derivative of the transmitted phase function with respect to the corner frequency, $T_d = \frac{d\phi}{d\omega}$

11.In-band phase linearity

Characterizes the amount of phase distortion introduced by a filter to a transmitted signal in the passband. Filters designed with a linear phase response function have good phase linearity but poor frequency selectivity and are limited to pulsed, or phase-modulated signal transmission system applications.

Bandpass filters designed with conventional response functions (e.g., Chebyshev function) also introduce less phase distortion in a narrower range around the center frequency, and Figure 9 illustrates a typical percentage of the $\pm 5^\circ$ phase linearity bandwidth as a percentage of BW.

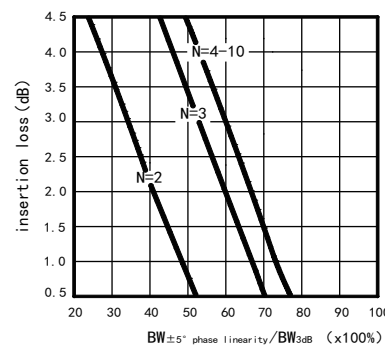


Figure 9 $\pm 5^\circ$ Phase Linear Bandwidth vs. BW_{3dB} Typical Ratio

Phase equalization network (all-pass network) can maintain the amplitude and frequency characteristics of the Chebyshev response function, greatly reducing the in-band delay changes in the response of the function, so as to obtain phase linear transmission performance while ensuring a better out-of-band suppression system. Our company has phase equalization design and production technology, and has supported many project applications with good results.

Main parameters of the filter

Ideal rectangular selective filters are impossible to realize in practice and are often approximated by some other function.

1. Butterworth function (Figure 10)

Insertion loss $IL = 10 \log(1 + \omega^{2n})$, the want to use the function resistance band decreases more slowly yet only at $\omega=0$, $IL=0$. IL rises monotonically with increasing ω . There is a small return loss near DC (or center frequency for the passband), which is also known as maximum flatness.

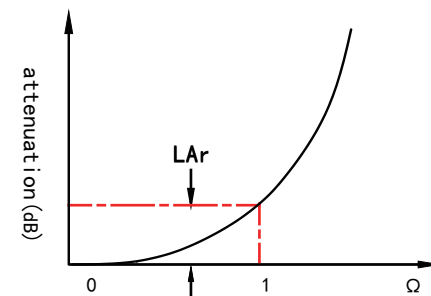


Figure 10 Butterworth-type low-pass amplitude response

2. Chebyshev function (Figure 11)

The insertion loss $IL = 10 \log(1 + \epsilon^2 T_n^2(\omega))$,

where $T_2 = \begin{cases} \cos(n \cdot \cos^{-1}(\omega)) & |\omega| \leq 1 \\ \cosh(n \cdot \cosh^{-1}(\omega)) & |\omega| > 1 \end{cases}$, it follows that at $\omega = 0$, $IL = 0$ or $10 \log(1 + \epsilon^2) = A_p$.

There are n ideal transmission ($IL=0$) points distributed in the range $|\omega| \leq 1$ and to do equal ripple fluctuations (the value determines the size of the fluctuations). However, for the resonant circuit Q value is not very high filters (such as LC filters and some narrow-band filtering cases), this fluctuation is often blurred or even "drowned". For $|\omega| > 1$, IL rises monotonically and faster than the maximum flat type.

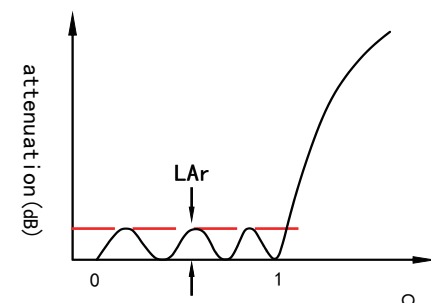


Figure 11 Chebyshev-type low-pass amplitude response

3. Elliptic function (Figure 12)

The Butterworth and Chebyshev functions are all all-pole response functions, i.e., the transmission zeros are located at DC and ∞ . Elliptic functions, on the other hand, have finite frequency transmission zeros, which greatly improves the steepness of the stopband, and the stopband of this type of response function filter does not fall monotonically as in the case of all-pole filters, but fluctuates, but has a steepness in the stopband close to the passband that is incomparable to that of the all-pole filters.

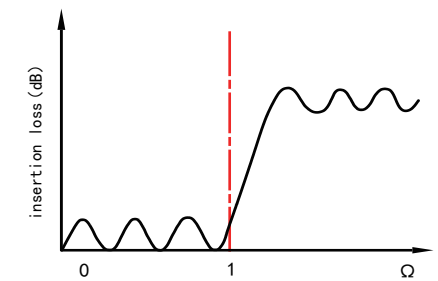


Figure 12 Elliptic function type low-pass amplitude response

4. Gaussian-like functions

The above function response filters focus on amplitude-frequency response, and their linear phase transmission characteristics are poor, which is clearly shown in the passband edge delay "ringing" distortion is violent, and with the increase in the number of sections and aggravated. Ideal linear phase filter in-band delay should be a horizontal line, the signal is transmitted through it will not occur after the phase distortion. Gaussian-like function response that is an approximation of this linear phase transmission characteristics, which include: maximum flat delay (i.e., Bessel function), Gaussian function, Linear phase error, etc., these response functions with good delay flatness (i.e., high transmission phase linearity), but amplitude-frequency selectivity is far inferior to Butterworth, Chebyshev, and even worse than the Elliptic function response. Figure 13 illustrates a comparison of the amplitude and time-delay responses of several transfer functions.

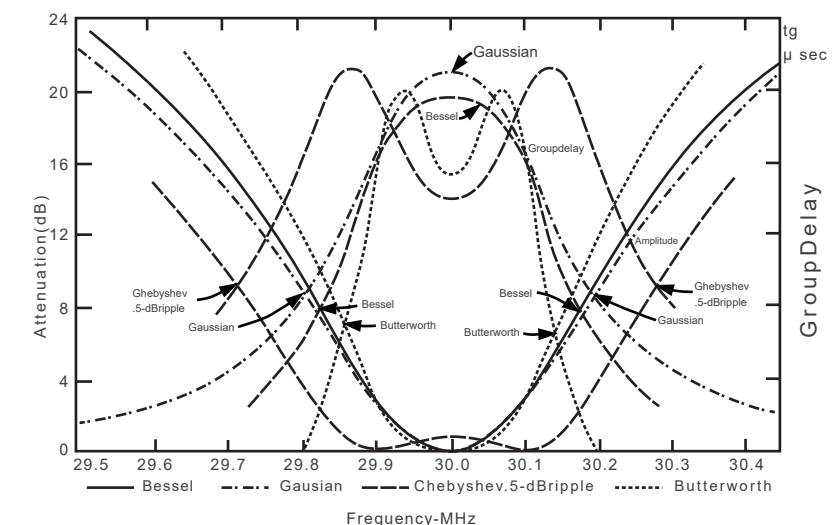


Figure 13 Comparison of amplitude and delay response of centralized transfer function

How to Optimize Filter Performance

Filter is a reflective device (part), the key to fully realize the filtering performance for the port impedance matching, good microwave grounding and prevent the space signal crosstalk.

1. Port impedance matching

Port impedance matching is not only included in the passband, but also the stopband reflection performance can be seriously affected by the end-connected load deviation from the system impedance, resulting

in out-of-band suppression degradation. Therefore, filters generally can not be directly cascaded and must take isolation measures in the middle.

2. Good microwave grounding

Good microwave grounding is a necessary condition for the filter to give full play to its in-band and out-of-band characteristics.

3. Spatial signal crosstalk

Spatial signal crosstalk refers to the signal reflected by the filter input and the unfiltered channel signals transmitted in the space around the filter, thus weakening the filtering effect. Possible crosstalk channels in the surrounding space must be isolated as much as possible.

PRODUCT STANDARDS AND ENVIRONMENTAL TESTS

Filters are categorized as microwave components and implement the general specification SJ20527A-2003 ≤General Specification for Microwave Components ≥.

The general requirements of the series implement the relevant general specifications of the company:

- Q/YZW 101-2019 《General Specification for Microwave Filters》;
- Q/YZW 001-2016 《 General Specification for Dielectric Filters》;
- Q/YZW 010-2017 《General Specification for LC Filters》;

Screening tests

If there is no user's authorization, the company's filters are all strictly screened before leaving the factory, and the screening conditions are as follows:

1. Appearance and mechanical inspection, according to the relevant product specifications or agreements.
2. low temperature storage: according to GJB150.4 requirements, temperature -55 °C (or user requirements), storage for 12 hours. 3. high temperature storage: according to GJB150.4 requirements, temperature -55 °C (or user requirements), storage for 12 hours.
3. High temperature storage: according to GJB150.3 requirements, temperature +85 °C (or user requirements), storage for 12 hours.
4. Temperature shock test: according to the requirements of GJB360B, 5 cycles, the conversion time is less than 5min, 1 hour under the limit temperature.
5. low temperature electrical characteristics: according to GJB150.4 requirements, temperature -40 °C (or user requirements), time: 1 hour.
6. High-temperature electrical characteristics: according to GJB150.3 requirements, temperature +70 °C (or user requirements), time: 1 hour.

7. Normal temperature electrical characteristics: room temperature testing.

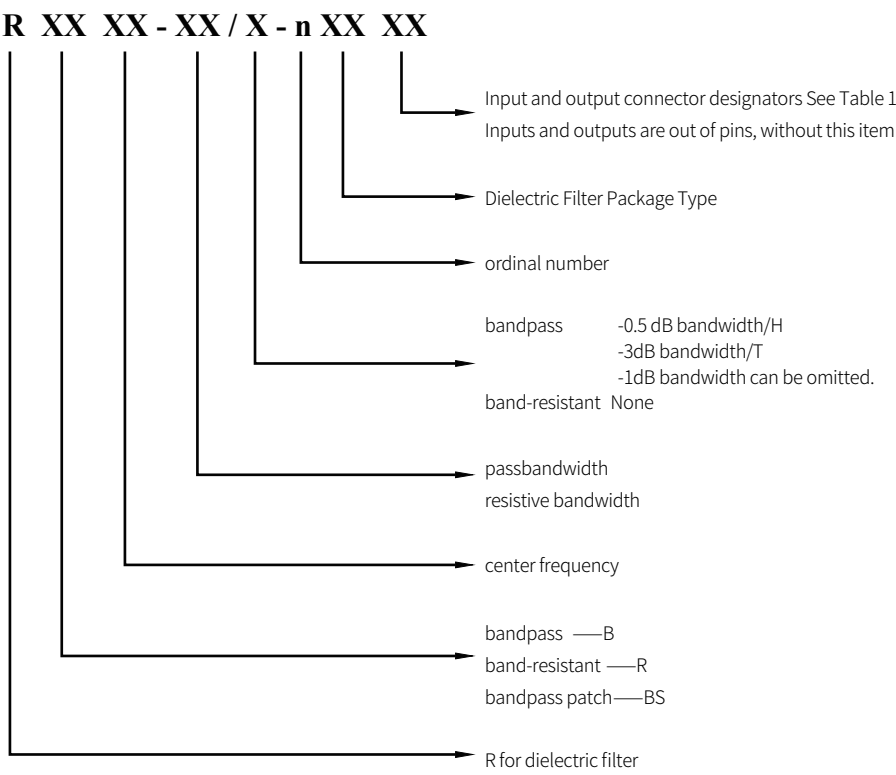
Special tests

1. Random vibration: according to GJB 360B method 214, condition I (B), X, Y, Z three directions, each direction 5min.
2. Impact test: according to GJB360B method 213, condition C, half-sine wave, three axes and six directions three times.
3. Particle Impact Noise Detection Test (PIND): in accordance with GJB548A method 2020A condition B, frequency greater than or equal to 60Hz, the peak value of 98m/s2.
4. Destructive Physical Analysis (DPA): In accordance with the relevant provisions of GJB4027A-2006 "Methods of Destructive Physical Analysis of Military Electronic Components" work item 1102 and the relevant methods of GJB548B-2005 "Test Methods and Procedures during Microelectronics", the product is subjected to external visual inspection, PIND, sealing and internal visual inspection tests.

Note: In order to meet the product reliability applications, the company can provide the relevant environmental requirements of the test according to the user's product application environment, such as: random vibration, impact, damp heat, salt spray, fine leakage detection, coarse leakage detection, etc..

Part 1 Dielectric Filters (frequency range 300-8000 MHz)

Nomenclature of dielectric filters



When the filter appears the same center frequency, the same bandwidth, the same order, the same structure, only the index is different, in order not to cause confusion, the model number in the center frequency after the addition of A, B, C and other letters to show the difference.

Table 1 Joint designators:

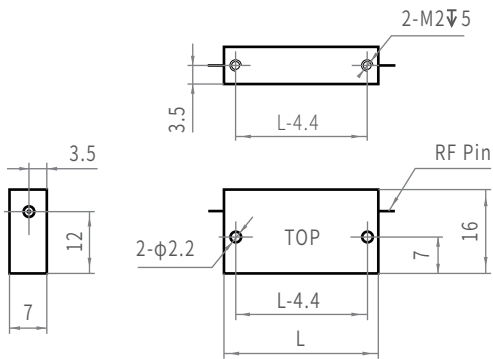
code name	import	outputs
S	SMA-K	SMA-K
SJ	SMA-J	SMA-K
	SMA-K	SMA-J
SD	SMA-J	SMA-J
N	N-K	N-K
NJ	N-J	N-K
	N-K	N-J
ND	N-J	N-J

Typical Package for Dielectric Filters

► Axial pin-out package

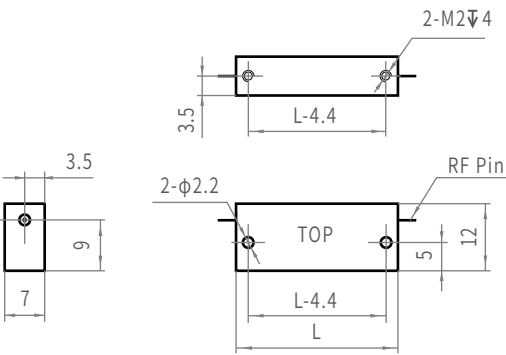
● R Series Structure

① R□B



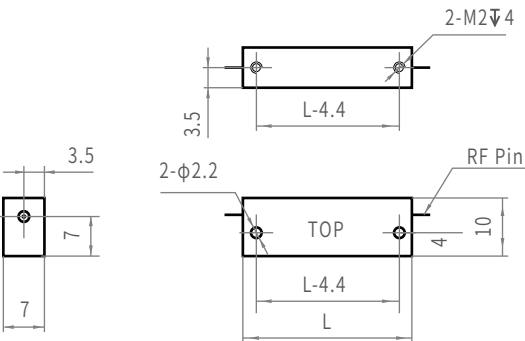
Package Code	L (±0.1mm)
R2B	21
R3B	29
R4B	37
R5B	45

② R□C



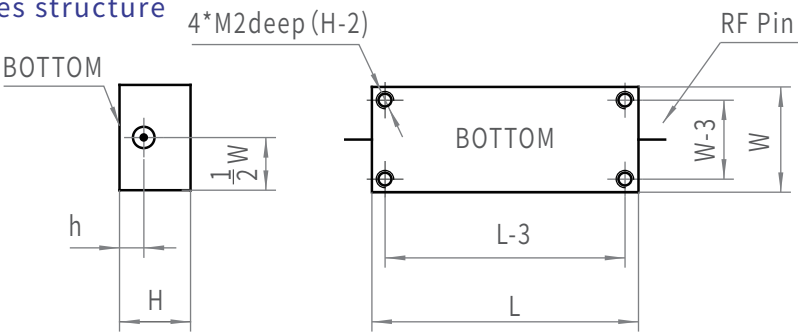
Package Code	L (±0.1mm)
R2C	21
R3C	29
R4C	37
R5C	45

② R□D



Package Code	L (±0.1mm)
R2D	21
R3D	29
R4D	37
R5D	45

● R□□C Series structure

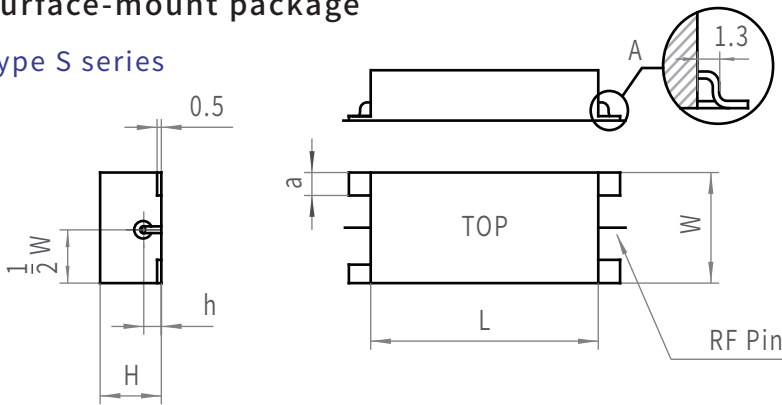


Package Code		L (±0.1mm)	W (±0.1mm)	H (±0.1mm)	h (±0.1mm)
R□BC	R2BC	22	16	7	2.75
	R3BC	30	16	7	2.75
	R4BC	38	16	7	2.75
	R5BC	46	16	7	2.75
R□CC	R2BC	22	12	7	2.75
	R3BC	30	12	7	2.75
	R4BC	38	12	7	2.75
	R5BC	46	12	7	2.75

Note: Default RF Pin is Φ0.8 pin; if H, h, RFpin change, add F after package code to distinguish.

► Metalized surface-mount package

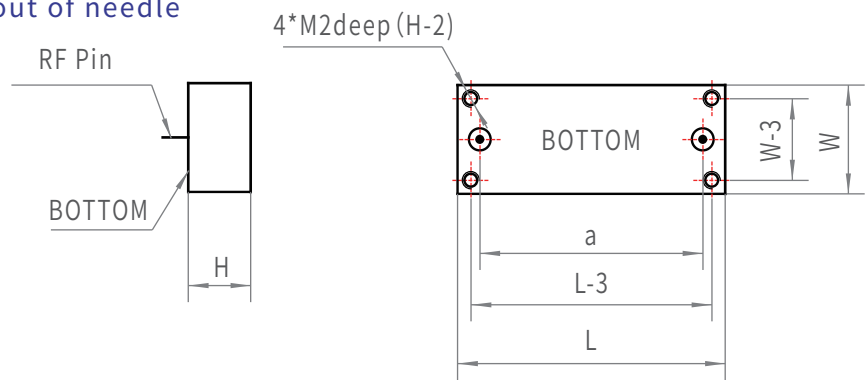
● Curved pin type S series



Package Code	L (±0.1mm)	W (±0.1mm)	H (±0.1mm)	h (±0.1mm)	a (±0.1mm)
S31	18	12	6	2	2
S32	22	12	6	2	2
S33	25	12	6	2	2
S34	28	12	6	2	2.5
S41	22	12	7	2	2
S42	26	12	7	2	2.5
S43	30	12	7	2	2.5

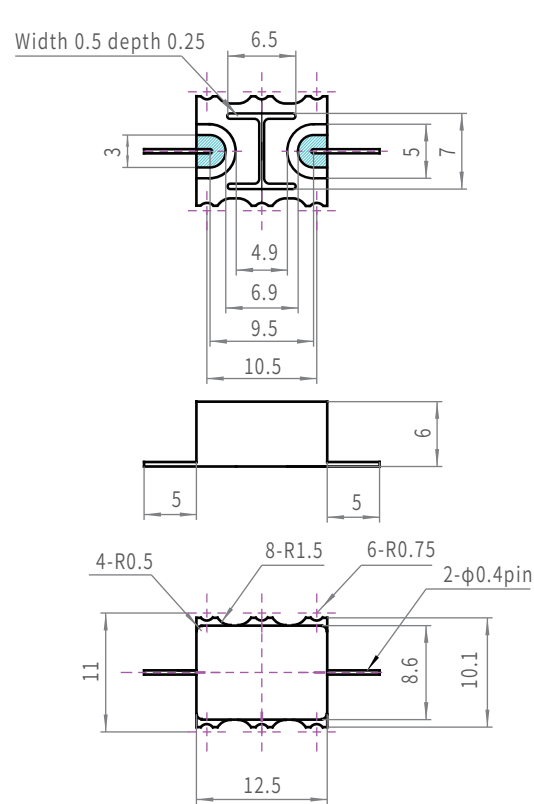
Note: Default RF Pin is Φ0.5 pin; if H, h, RFpin change, add F after package code to distinguish.

● Bottom out of needle

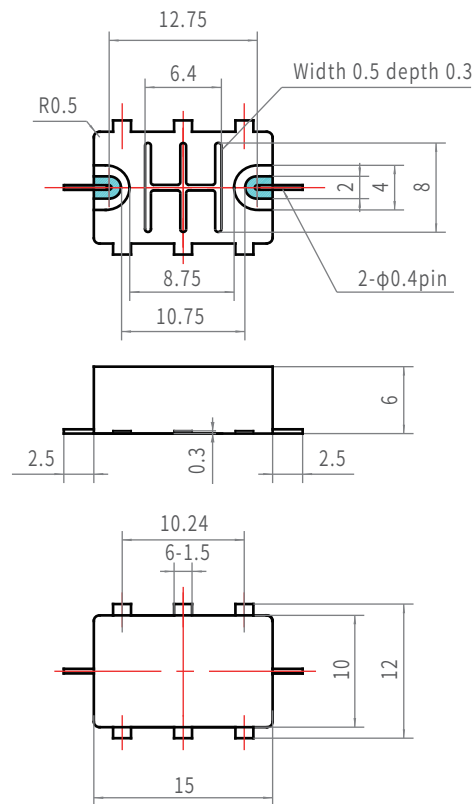


Package Code		L (±0.1mm)	W (±0.1mm)	H (±0.1mm)	a (±0.1mm)
R3	R3BP	30	16	7	25
	R3CP	30	12	7	25
R4	R4BP	38	16	7	33
	R4CP	38	12	7	33
R5	R5BP	46	16	7	41
	R5CP	46	12	7	41
P1A		30	12	10	25
P1B		40.4	12	10	35.4

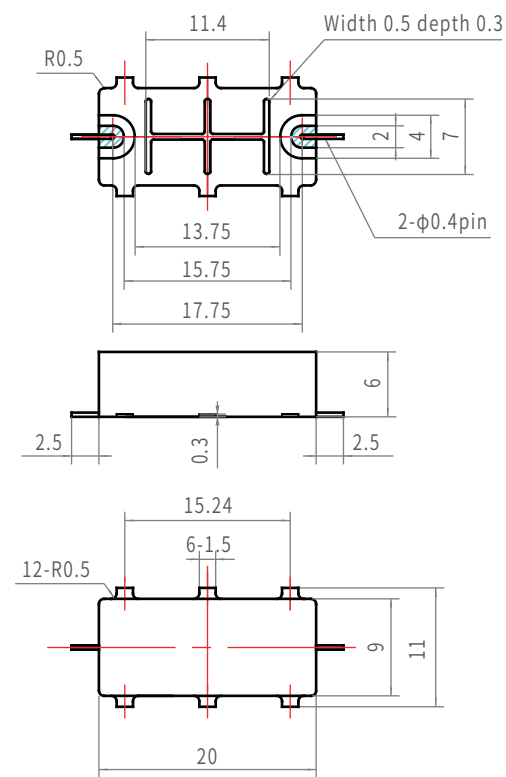
● Glass Sintering Integration



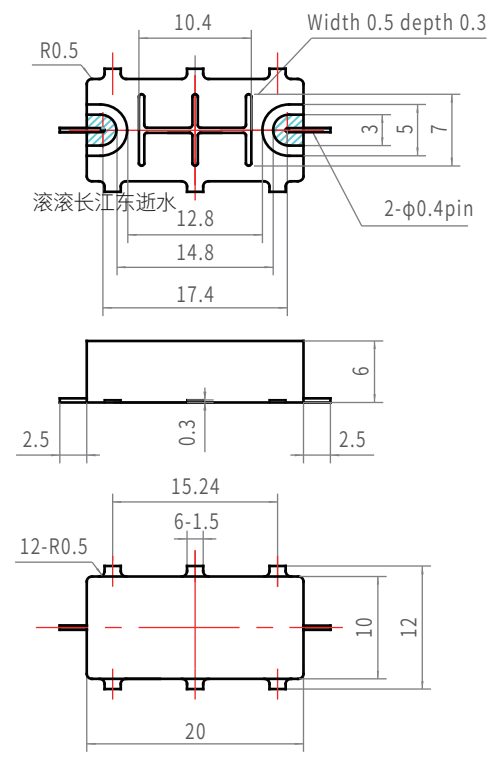
Package Code:M1 (12.5×8.6 mm)



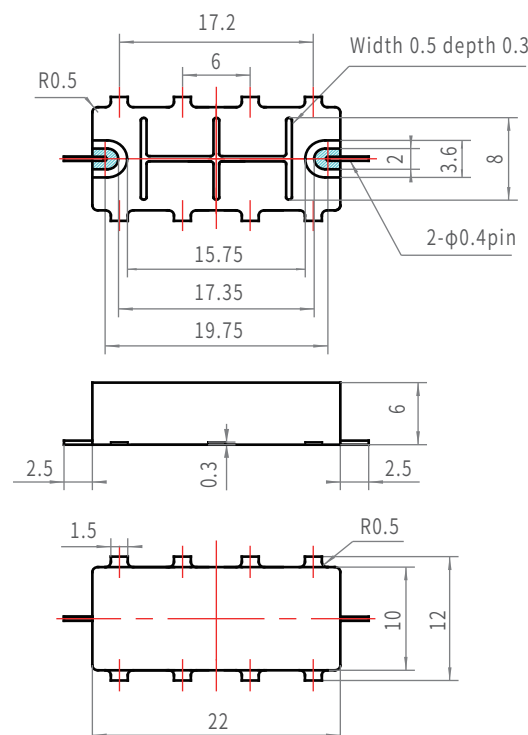
Package Code:M3 (15×10 mm)



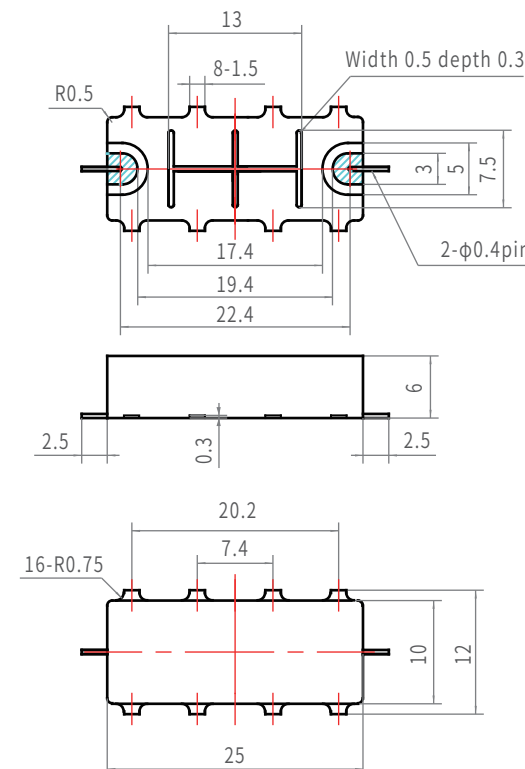
Package Code:M5 (20×9 mm)



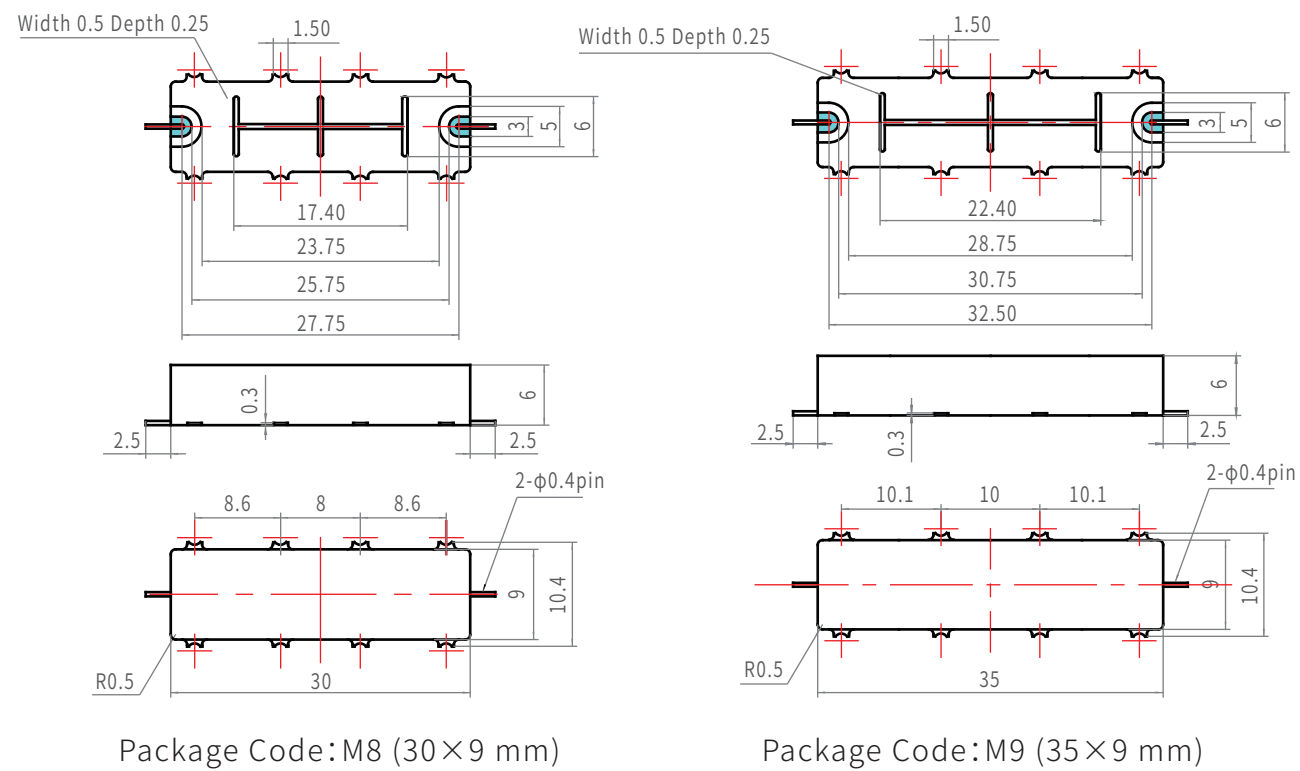
Package Code:M12 (20×10 mm)



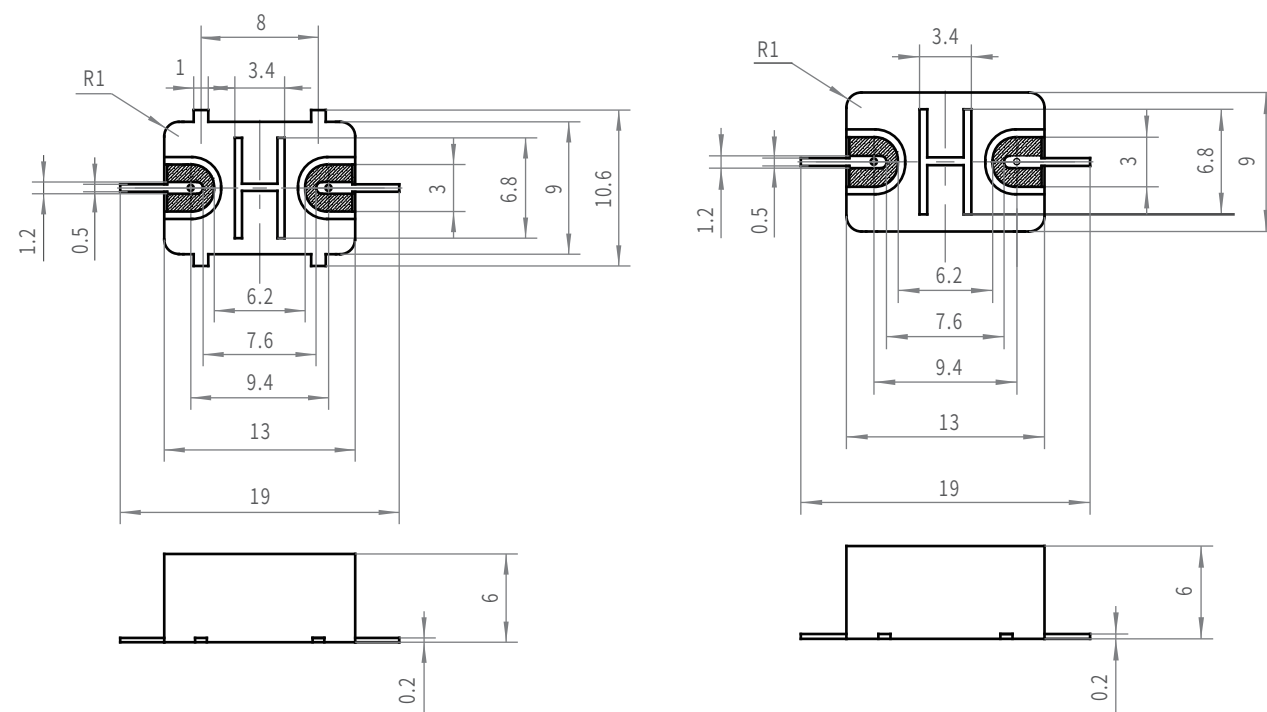
Package Code:M6 (22×10 mm)



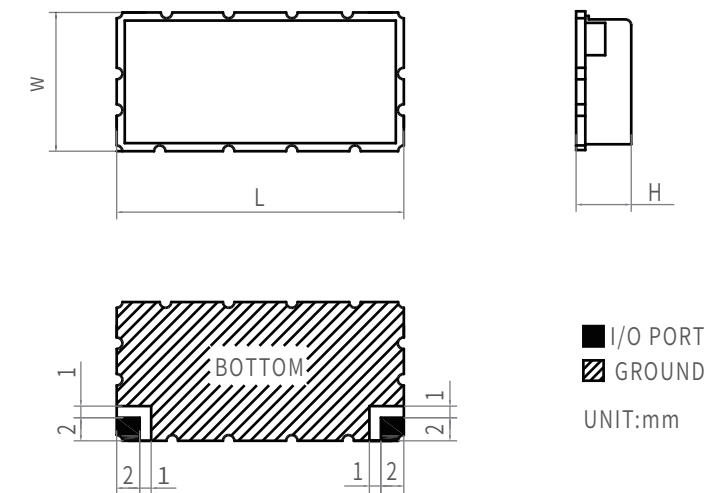
Package Code:M7 (25×10 mm)



- Integration of ceramic sintering



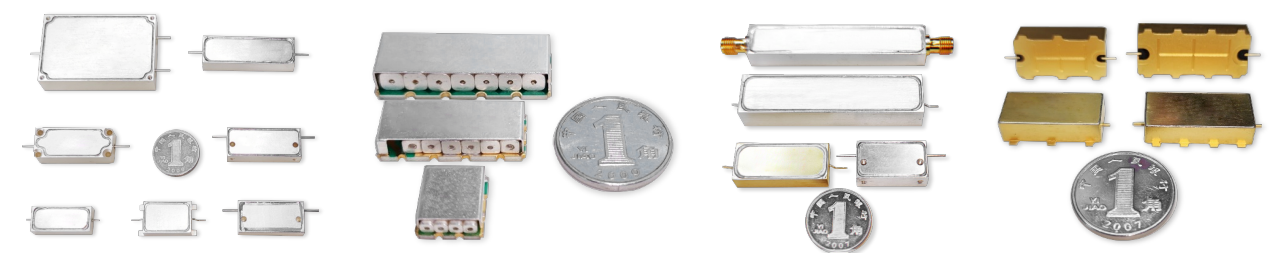
► PCB Surface Mount Package



Package	L (mm)	W (mm)	H (mm)
MG	10	12	3.5
MH	12	12	3.5
MI	14	12	3.5
M31	15	12	4.5
M32	18	12	4.5
M33	22	12	4.5
M34	25	12	4.5
M01	18	12	5.5
M02	22	12	5.5
M03	26	12	5.5

Note: The above is part of the dielectric filter package, our company can customize the products according to users' requirements.

Dielectric Filter part of the product display



Dielectric Filter Partial Catalog (in ascending order of center frequency)

Product Model	Passband frequency (MHz)	center insertion loss (dB)	Bandwidth reduction (dB)		I/O port	Structural dimensions (mm)
RB400-20/H-7F	(-0.5dB) 390~410	2.6	365M, ≥40	435M, ≥40	0.8 Pin	37*28*7
RB475-6-6F	(-1dB) 472~478	5.5	425M, ≥80	500M, ≥70	0.8 Pin	37*23*7
RB585-40/T-4CS	(-3Db) 565~605	1.5	500M, ≥40	800M, ≥50	SMA-K	25*19*7
RB600-30/U-6C	(-1dB) 585~615	4	500M, ≥75	700-2400M, ≥75	0.5 Pin	26*12*6
RB720-50-5R3B	(-0.6dB) 695~745	2	465M, ≥60	975M, ≥60	0.8 Pin	29*16*7
RB750-100-6R4B	(-1dB) 700~800	1.5	600M, ≥45	900M, ≥45	0.5 Pin	37*16*7
RB760-60-6R4BC	(-1dB) 730~790	2	680M, ≥30	900-1800M, ≥75	0.8 Pin	38*16*7
RB800-20-5R3BF	(-1dB) 790~810	4	700M, ≥80	900M, ≥80	0.5 Pin	29*16*7
RB820-10-6R4B	(-1dB) 815~825	5.5	780M, ≥80	860M, ≥80	0.8 Pin	37*16*7
RB845-90-5E3B	(-0.5dB) 800~890	2	580M, ≥40	700M, ≥40	0.8 Pin	25*16*6
RB860-20-5R3BC	(-1dB) 850~870	4	760M, ≥75	960M, ≥75	0.8 Pin	30*16*7
RB900-15-5R3BF	(-1dB) 892~908	4.5	820M, ≥80	980M, ≥80	0.8 Pin	29*16*7
RB942-24-7R4CCS	(-1dB) 930~954	4.5	892M, ≥60	992M, ≥60	SMA-K	38*12*7
RB960-35-5E3BF	(-1dB) 942~978	3	720M, ≥50	1200M, ≥50	0.8 Pin	25*13*7
RB1000-25-5R3C	(-1dB) 987~1013	3.5	900M, ≥60	1100M, ≥60	0.8 Pin	29*12*7
RB1000-60-5R3B	(-1dB) 970~1030	2	873M, ≥50	1133M, ≥50	0.5 Pin	29*16*7
RB1020-40-7R4BF	(-1dB) 1000~1040	3	900M, ≥70	1100M, ≥70	0.8 Pin	37*14*7
RB1020-100-5R3CF	(-1dB) 970~1070	2	800M, ≥45	1200M, ≥45	0.8 Pin	29*13*7
RB1030-20/U-6C	(-1dB) 1020~1040	4.5	950M, ≥75	1150M, ≥75	0.8 Pin	29*14*7
RB1030-40-5R3BF	(-1dB) 1010~1050	2.5	830M, ≥35	1230M, ≥35	0.8 Pin	29*16*7
RB1030-80-9R5BC	(-1dB) 990~1070	2.5	920M, ≥65	1140M, ≥65	0.8 Pin	46*16*7
RB1030-120-6R3BF	(-0.5dB) 970~1090	1.5	830M, ≥30	1230M, ≥30	0.8 Pin	29*16*7
RB1040-15/U-5R3BC	(-1dB) 1032~1048	4.5	960M, ≥80	1120M, ≥80	0.8 Pin	30*16*7
RB1045-30-7R4BS	(-1dB) 1030~1060	2.8	945M, ≥70	1145M, ≥70	SMA-K	37*16*7
RB1050-5/H-5R3BS	(-0.5dB) 1047~1053	7	1025M, ≥50	1075M, ≥50	SMA-K	29*16*7
RB1050-15-5R3CP	(-1dB) 1042~1058	4	960M, ≥85	1135-2400M, ≥85	0.8 Pin	30*12*7
RB1060-20-5R3BC	(-1dB) 1050~1070	4	960M, ≥75	1160M, ≥75	0.8 Pin	30*16*7
RB1060-84-7E5C	(-0.3dB) 1018~1102	2	922M, ≥50	1198-2400M, ≥45	0.8 Pin	32*12*6
RB1060-100-5R3BC	(-1dB) 1010~1110	1.8	920M, ≥40	1300M, ≥60	0.8 Pin	30*16*8
RB1065-30-6R4BC	(-1dB) 1050~1080	3.5	1000M, ≥60	1130M, ≥60	0.8 Pin	38*16*7
RB1070-40-5R3BF	(-0.5dB) 1050~1090	2.5	970M, ≥50	1170M, ≥50	0.8 Pin	29*14*7
RB1075-50-7R4BCS	(-1dB) 1050~1100	2.5	1015M, ≥40	1135M, ≥40	SMA-K	38*16*7
RB1087.5-125-7R4CCS	(-0.8dB) 1025~1150	1.5	867M, ≥80	1308M, ≥80	SMA-K	29*12*7
RB1087.5-265-6R4BF	(-1dB) 955~1220	1.4	800M, ≥45	1400M, ≥40	0.8 Pin	37*16*7

Product Model	Passband frequency (MHz)	center insertion loss (dB)	Bandwidth reduction (dB)		I/O port	Structural dimensions (mm)
RB1100-20-6R4CC	(-1dB) 1090~1110	5.5	1000M, ≥85	1200-2200M, ≥80	0.8 Pin	38*12*7
RB1100-80-6E3C	(-1dB) 1060~1140	2.5	950M, ≥50	1240-2200M, ≥50	0.8 Pin	25*12*6
RB1125-50-7R4CC	(-1dB) 1100~1150	3	1000M, ≥60	1210M, ≥60	0.8 Pin	38*12*7
RB1130-30-5C1BS	(-1dB) 1115~1145	3	1060M, ≥40	1200M, ≥40	SMA-K	40.4*12*10
RB1140-32/U-5S42	(-1dB) 1124~1156	2.5	1075M, ≥40	1205M, ≥40	0.5 Pin	26*12*7
RB1145-60-7R4C	(-0.5dB) 1115~1175	3	1030M, ≥50	1260M, ≥50	0.8 Pin	37*12*7
RB1150-50-5R3CS	(-1dB) 1125~1175	2	950M, ≥60	1350M, ≥60	SMA-K	29*12*7
RB1150-100-7R4C	(-1dB) 1100~1200	1.6	1000M, ≥70	1300-2800M, ≥65	0.8 Pin	37*12*7
RB1156-30-5R3CC	(-1dB) 1141~1171	5.5	1106M, ≥60	1206M, ≥58	0.8 Pin	30*12*7
RB1160-24-6E4CF	(-1dB) 1148~1172	3.8	1040M, ≥75	1280M, ≥75	0.8 Pin	29*12*6
RB1170A-20-5R3C	(-1dB) 1160~1180	5	1010M, ≥80	1330M, ≥80	0.8 Pin	29*12*7
RB1175-52-7C1B	(-1dB) 1149~1201	3.5	1080M, ≥62	1250M, ≥62	0.8 Pin	40.4*12*10
RB1180-40-6R4CC	(-1dB) 1160~1200	3	1100M, ≥60	1260M, ≥60	0.8 Pin	38*12*7
RB1192-20-7R4C	(-1dB) 1182~1202	4.5	1140M, ≥65	1244M, ≥45	0.8 Pin	37*12*7
RB1192-80-5R3C	(-1dB) 1152~1232	3	1032M, ≥55	1352M, ≥55	0.8 Pin	29*12*7
RB1200-15-6R4CC	(-1dB) 1192~1208	5	1150M, ≥60	1250M, ≥60	0.8 Pin	38*12*7
RB1200-30-5E3CF	(-1dB) 1185~1215	3	1100M, ≥60	1300M, ≥60	0.8 Pin	25*12*6
RB1200-50-6R4C	(-0.3dB) 1175~1225	2.5	1060M, ≥62	1340M, ≥62	0.8 Pin	37*12*7
RB1200-100-7R4CC	(-1dB) 1150~1250	2	1000M, ≥60	1400M, ≥75	0.8 Pin	38*12*7
RB1200-140/T-5R3CC	(-3dB) 1130~1270	1.5	950M, ≥60	1550-2800M, ≥60	0.8 Pin	30*12*7
RB1220-40-6R4CC	(-1dB) 1200~1240	3	1140M, ≥60	1300M, ≥60	0.8 Pin	38*12*7
RB1240-20-5D2	(-1dB) 1230~1250	2	1120M, ≥50	1360-2000M, ≥50	0.8 Pin	30*12*8
RB1245-72-7C1B	(-1dB) 1209~1281	3	1120M, ≥62	1370M, ≥62	0.8 Pin	40.4*12*10
RB1250-20-7R4C	(-1dB) 1240~1260	5	1200M, ≥75	1300M, ≥70	0.8 Pin	37*12*7
RB1250-100-7R4C	(-1dB) 1200~1300	1.8	1100M, ≥70	1400-3000M, ≥65	0.8 Pin	37*12*7
RB1250-200-5R3CF	(-1dB) 1150~1350	2	950M, ≥30	1550M, ≥30	0.8 Pin	29*12*7
RB1260-100-5R3CC	(-1dB) 1210~1310	2	1120M, ≥40	1500M, ≥60	0.8 Pin	30*12*7
RB1270-30-4R2C	(-1dB) 1255~1285	2.5	1000M, ≥65	1510-3100M, ≥65	0.8 Pin	21*12*7
RB1280-20-6R4CC	(-1dB) 1270~1290	5.5	1200M, ≥85	1360-2560M, ≥80	0.8 Pin	38*12*7
RB1295-50-5R3CC	(-0.5dB) 1270~1320	2.5	1195M, ≥45	1395M, ≥45	0.8 Pin	30*12*7
RB1300-20-5R3C	(-1dB) 1290~1310	4	1200M, ≥80	1400M, ≥80	0.8 Pin	29*12*7
RB1300-100-7R4CC	(-1dB) 1250~1350	2	1100M, ≥75	1500M, ≥75	0.8 Pin	38*12*7
RB1300-200/U-6R3C	(-1dB) 1200~1400	2	1050M, ≥50	1700M, ≥45	0.8 Pin	29*12*7
RB1310-20-6R4C	(-1dB) 1300~1320	5	1200M, ≥80	1420M, ≥80	0.8 Pin	37*12*7
RB1320-20-5E3CF	(-1dB) 1310~1330	4	1200M, ≥80	1440M, ≥80	0.5 Pin	25*12*6
RB1350-50-4R3CC	(-3dB) 1325~1375	3	1200M, ≥60	1500M, ≥60	0.8 Pin	30*12*7
RB1360-20-6R4CC	(-1dB) 1350~1370	5.5	1280M, ≥85	1440-2720M, ≥80	0.8 Pin	38*12*7

Product Model	Passband frequency (MHz)	center insertion loss (dB)	Bandwidth reduction (dB)		I/O port	Structural dimensions (mm)
RB1370-12-5R3CC	(-3dB) 1364~1376	8	1313M, ≥65	1427M, ≥65	0.8 Pin	30*12*7
RB1400-20-5R3CF	(-1dB) 1390~1410	4	1300M, ≥80	1500M, ≥80	0.8 Pin	29*12*7
RB1450-100-8R5CF	(-1dB) 1400~1500	2.5	1300M, ≥70	1600-3300M, ≥55	0.8 Pin	45*12*7
RB1465-30-6R4CC	(-1dB) 1450~1480	4	1400M, ≥60	1530M, ≥60	0.8 Pin	38*12*7
RB1500-50-7R4CC	(-1dB) 1475~1525	3.5	1400M, ≥70	1600M, ≥70	0.8 Pin	38*12*7
RB1515-30-5R3CC	(-1dB) 1500~1530	3.5	1455M, ≥40	1575M, ≥40	0.8 Pin	30*12*7
RB1530-20-6R4CS	(-1dB) 1520~1540	6	1470M, ≥70	1590M, ≥70	SMA-K	37*12*7
RB1550-100-6E4C	(-1dB) 1500~1600	3	1300M, ≥70	1800-3600M, ≥70	0.8 Pin	29*12*6
RB1575-25-5E3C	(-1dB) 1562~1588	4	1500M, ≥50	1650-3000M, ≥50	0.8 Pin	25*12*6
RB1600-30-5E3C	(-1dB) 1585~1615	3.5	1400M, ≥85	1800M, ≥85	0.8 Pin	25*12*6
RB1615-60-6DHF	(-1dB) 1585~1645	3.5	1520M, ≥35	2000-3500M, ≥45	0.4 Pin	20*12*7
RB1635-70-7R4C	(-0.5dB) 1600~1670	2.5	1500M, ≥55	1760M, ≥55	0.8 Pin	37*12*7
RB1650-100-5E3C	(-1dB) 1600~1700	3	1300M, ≥65	1900-4000M, ≥55	0.8 Pin	25*12*6
RB1700-80-7R4CF	(-1dB) 1660~1740	3	1550M, ≥65	1850M, ≥65	0.8 Pin	37*12*7
RB1720-100-5R3C	(-1dB) 1670~1770	2	1500M, ≥45	1900M, ≥45	0.8 Pin	29*12*7
RB1740-20-9R5C	(-1dB) 1730~1750	5.5	1680M, ≥75	1800M, ≥75	0.8 Pin	45*12*7
RB1768-20-4R3CC	(-0.5dB) 1758~1778	3	1648M, ≥60	1888M, ≥60	0.8 Pin	30*12*7
RB1800-32-4R3CC	(-3dB) 1784~1816	4	1680M, ≥60	1920M, ≥60	0.8 Pin	30*12*7
RB1800-140/U-6R4C	(-1dB) 1730~1870	1.8	1500M, ≥60	2100M, ≥60	0.8 Pin	37*12*7
RB1800-200-7Q1F	(-1dB) 1700~1900	3	1500M, ≥55	2100-4000M, ≥55	0.8 Pin	25*10*6
RB1820-120-6R3CF	(-0.6dB) 1760~1880	2	1350M, ≥80	2200-3500M, ≥80	0.8 Pin	29*12*7
RB1840-40-6R4C	(-1dB) 1820~1860	3.5	1720M, ≥85	1920-3000M, ≥60	0.8 Pin	37*12*7
RB1850-100-7R4CF	(-1dB) 1800~1900	2	1700M, ≥60	2000-4000M, ≥60	0.8 Pin	37*12*7
RB1875-100-7E5CF	(-1dB) 1825~1925	2.5	1708M, ≥65	2042M, ≥65	0.8 Pin	32*12*6
RB1890-80-5E2C	(-1dB) 1850~1930	2.5	1650M, ≥55	2130-4300M, ≥55	0.8 Pin	21*12*6
RB1900-40-7R4CCS	(-1dB) 1880~1920	4	1825M, ≥60	1975M, ≥60	SMA-K	38*12*7
RB1900-120-5R3CP	(-0.5dB) 1840~1960	1.5	1400M, ≥85	2400M, ≥85	0.8 Pin	30*12*7
RB1900-200-6R3C	(-1dB) 1800~2000	2	1600M, ≥45	2200-4000M, ≥45	0.8 Pin	29*12*7
RB1920-30-5E3C	(-1dB) 1905~1935	4	1800M, ≥60	2040M, ≥60	0.8 Pin	25*12*6
RB1930-50-8R5C	(-1dB) 1905~1955	4.5	1800M, ≥85	2000-3000M, ≥60	0.8 Pin	45*12*7
RB1956-20-4R3CC	(-1dB) 1946~1966	4.5	1899M, ≥50	2013M, ≥50	0.8 Pin	30*12*7
RB1995-30/H-5E3C	(-0.5dB) 1980~2010	4	1890M, ≥55	2100M, ≥55	0.8 Pin	25*12*6
RB2000-45-5R3C	(-1dB) 1977~2023	3	1800M, ≥70	2200-4600M, ≥70	0.8 Pin	29*12*7
RB2000-100-6R4C	(-1dB) 1950~2050	2	1800M, ≥65	2200M, ≥65	0.8 Pin	37*12*7
RB2025-20-5S31	(-1dB) 2015~2035	3.8	1925M, ≥45	2125M, ≥45	0.5 Pin	18*12*6
RB2040A-20-5R3C	(-1dB) 2030~2050	5	1920M, ≥70	2160M, ≥80	0.8 Pin	29*12*7
RB2050-25-5E3C	(-1dB) 2037~2063	4	1980M, ≥45	2120M, ≥45	0.8 Pin	25*12*6

Product Model	Passband frequency (MHz)	center insertion loss (dB)	Bandwidth reduction (dB)		I/O port	Structural dimensions (mm)
RB2050-100-6R4C	(-1dB) 2000~2100	3.5	1800M, ≥70	2300-4700M, ≥70	0.8 Pin	37*12*7
RB2080-20-7R4CF	(-1dB) 2070~2090	5	2000M, ≥75	2160M, ≥75	0.8 Pin	37*12*7
RB2095-40-5S31	(-1dB) 2075~2115	4	1995M, ≥40	2195M, ≥40	0.5 Pin	18*12*6
RB2100-25-6R4C	(-1dB) 2087~2113	4.5	2000M, ≥80	2200M, ≥80	0.8 Pin	37*12*7
RB2100-50/T-5R3CCS	(-3dB) 2075~2125	3	2010M, ≥40	2190M, ≥40	SMA-K	30*12*7
RB2100-200-8R5C	(-0.5dB) 2000~2200	2	1825M, ≥55	2375M, ≥55	0.8 Pin	45*12*7
RB2140-100-5R3C	(-1dB) 2090~2190	2	1940M, ≥50	2340M, ≥50	0.8 Pin	29*12*7
RB2160-20-4R3CC	(-0.5dB) 2150~2170	3	2040M, ≥60	2280M, ≥60	0.8 Pin	30*12*7
RB2185-30/H-5E3C	(-0.5dB) 2170~2200	4	2080M, ≥55	2290M, ≥55	0.8 Pin	25*12*6
RB2200-20-7R4CC	(-1dB) 2190~2210	7	2100M, ≥85	2300-4400M, ≥85	0.8 Pin	38*12*7
RB2200-45-5R3C	(-1dB) 2177~2223	3	2000M, ≥70	2400-5000M, ≥70	0.8 Pin	29*12*7
RB2210-30/H-5R3C	(-0.5dB) 2195~2225	3	2070M, ≥50	2350M, ≥50	0.8 Pin	29*12*7
RB2220-100-5R3CC	(-3dB) 2170~2270	2.5	1920M, ≥60	2500M, ≥60	0.8 Pin	30*12*7
RB2242-20-5S42	(-1dB) 2232~2252	3.5	2142M, ≥60	2342M, ≥60	0.5 Pin	26*12*7
RB2250-20-7R4C	(-1dB) 2240~2260	7	2190M, ≥70	2310M, ≥65	0.8 Pin	37*12*7
RB2250-100-6R4C	(-1dB) 2200~2300	3.5	2000M, ≥70	2500-5300M, ≥70	0.8 Pin	37*12*7
RB2250-160-8E3C	(-1dB) 2170~2330	2.5	2000M, ≥60	2500M, ≥60	0.8 Pin	25*12*6
RB2250-200-7R4CC	(-0.5dB) 2150~2350	1.2	1650M, ≥65	2900-4000M, ≥65	0.8 Pin	38*12*7
RB2275-40-5R3CC	(-1dB) 2255~2295	3.5	2175M, ≥50	2375M, ≥50	0.8 Pin	30*12*7
RB2285-20-5S31	(-1dB) 2275~2295	4	2185M, ≥40	2385M, ≥40	0.5 Pin	18*12*6
RB2300-25-6R4C	(-1dB) 2287~2313	4.5	2200M, ≥80	2400M, ≥80	0.8 Pin	37*12*7
RB2300-100-9R5C	(-1dB) 2250~2350	2.8	2100M, ≥75	2500-2700M, ≥45	0.5 Pin	45*12*7
RB2325-40-7R4CC	(-3dB) 2305~2345	4.5	2275M, ≥40	2375M, ≥40	0.8 Pin	38*12*7
RB2340-20-5R3C	(-1dB) 2330~2350	5	2190M, ≥80	2490M, ≥80	0.8 Pin	29*12*7
RB2345-50-7R4CCS	(-1dB) 2320~2370	3.5	2255M, ≥60	2435M, ≥60	SMA-K	38*12*7
RB2350-100-6E4C	(-1dB) 2300~2400	3	2200M, ≥50	2600-5600M, ≥70	0.8 Pin	29*12*6
RB2400-20-7R4CC	(-1dB) 2390~2410	6.5	2320M, ≥80	2480M, ≥80	0.8 Pin	38*12*7
RB2400-50-5R3C	(-1dB) 2375~2425	3	2200M, ≥60	2600M, ≥60	0.8 Pin	29*12*7
RB2400-150-5E2C	(-1dB) 2325~2475	2.5	2100M, ≥40	2700-5500M, ≥40	0.8 Pin	21*12*6
RB2420-20-6R4CF	(-1dB) 2410~2430	5.5	2360M, ≥65	2480M, ≥65	0.8 Pin	33*12*7
RB2440-100-5R3C	(-1dB) 2390~2490	2.5	2160M, ≥60	2700-4000M, ≥60	0.8 Pin	29*12*7
RB2450-30-5R3C	(-1dB) 2435~2465	4	2350M, ≥60	2550M, ≥60	0.8 Pin	29*12*7
RB2450-100-6R4C	(-1dB) 2400~2500	3.5	2200M, ≥70	2700-5900M, ≥70	0.8 Pin	37*12*7
RB2475-24-7R4C	(-1dB) 2463~2487	6.5	2400M, ≥70	2550M, ≥70	0.8 Pin	37*12*7
RB2500-25-6E4CF	(-1dB) 2487~2513	5.5	2400M, ≥75	2600M, ≥75	0.8 Pin	29*12*6
RB2500-100-5S32	(-1dB) 2450~2550	2	2250M, ≥60	2750-5500M, ≥60	0.5 Pin	22*12*6
RB2520-30-5E3C	(-1dB) 2505~2535	4.5	2400M, ≥60	2640M, ≥60	0.8 Pin	25*12*6

Product Model	Passband frequency (MHz)	center insertion loss (dB)	Bandwidth reduction (dB)		I/O port	Structural dimensions (mm)
RB2535-70-8R5CC	(-1dB) 2500~2570	3.5	2400M, ≥75	2600M, ≥25	0.8 Pin	46*12*8
RB2560-120-8E6C	(-1dB) 2500~2620	3.5	2300M, ≥70	2700-6000M, ≥50	0.8 Pin	35*12*6
RB2580-40-5R3C	(-1dB) 2560~2600	3.5	2400M, ≥75	2760M, ≥75	0.8 Pin	29*12*7
RB2600-100-6R4C	(-1dB) 2550~2650	2.5	2400M, ≥65	2800M, ≥65	0.8 Pin	37*12*7
RB2610-20-6R4CF	(-1dB) 2600~2620	5.5	2550M, ≥65	2670M, ≥65	0.8 Pin	37*12*7
RB2640-20-4S31C	(-1dB) 2630~2650	4	2500M, ≥50	2780M, ≥50	0.5 Pin	18*12*6
RB2650-100-7R4CC	(-1dB) 2600~2700	2.5	2500M, ≥50	2800M, ≥50	0.8 Pin	38*12*7
RB2695-120-6R4CC	(-1dB) 2635~2755	3	2400M, ≥60	2890M, ≥50	0.8 Pin	38*12*7
RB2700-25-6R4C	(-1dB) 2687~2713	6	2600M, ≥75	2800M, ≥75	0.8 Pin	37*12*7
RB2700-60-6R4CC	(-1dB) 2670~2730	3.5	2570M, ≥65	2830M, ≥65	0.8 Pin	38*12*7
RB2700-120-5R3C	(-0.5dB) 2640~2760	2	2100M, ≥75	3300M, ≥75	0.8 Pin	29*12*7
RB2700A-200-7R4C	(-1dB) 2600~2800	2	2400M, ≥65	3000M, ≥65	0.8 Pin	37*12*7
RB2720-20-7R4CC	(-1dB) 2710~2730	7	2740M, ≥80	2800M, ≥80	0.8 Pin	38*12*7
RB2730-160-7R4CC	(-1dB) 2650~2810	3	2400M, ≥60	2920M, ≥50	0.8 Pin	38*12*7
RB2750-30-6R3CP	(-1dB) 2735~2765	6	2650M, ≥80	2850M, ≥75	0.8 Pin	30*12*7
RB2750-100-6R4C	(-1dB) 2700~2800	3.5	2500M, ≥70	3000-6000M, ≥70	0.8 Pin	37*12*7
RB2760-60-7R4CS	(-1dB) 2730~2790	3.2	2690M, ≥40	2830M, ≥40	SMA-K	37*12*7
RB2785-20/U-5R3CC	(-1dB) 2775~2795	6	2685M, ≥70	2885M, ≥70	0.8 Pin	30*12*7
RB2800-20-7R4CC	(-1dB) 2790~2810	7	2700M, ≥80	2900M, ≥80	0.8 Pin	38*12*7
RB2800-50-4R2C	(-1dB) 2775~2825	3	2400M, ≥60	3200M, ≥60	0.8 Pin	21*12*7
RB2800-100-6R4C	(-1dB) 2750~2850	3	2600M, ≥65	3000M, ≥65	0.8 Pin	37*12*7
RB2820-120-5R3C	(-0.5dB) 2760~2880	2	2220M, ≥75	3420M, ≥75	0.8 Pin	29*12*7
RB2830-20-6C1B	(-1dB) 2820~2840	5	2730M, ≥80	2930M, ≥80	0.8 Pin	40.4*12*10
RB2850-40-5R3C	(-1dB) 2830~2870	4.5	2750M, ≥60	2950M, ≥60	0.8 Pin	29*12*7
RB2850-300-9R5C	(-0.5dB) 2700~3000	1.8	2500M, ≥60	3200-5800M, ≥55	0.8 Pin	45*12*7
RB2875-150-8R4CC	(-1dB) 2800~2950	2.5	2700M, ≥50	3050M, ≥50	0.8 Pin	38*12*7
RB2900-30-5R3C	(-1dB) 2885~2915	4	2800M, ≥65	3000M, ≥65	0.8 Pin	29*12*7
RB2900-60-8R5CC	(-1dB) 2870~2930	4	2780M, ≥75	3020M, ≥75	0.8 Pin	46*12*7
RB2900-100-7R4CC	(-1dB) 2850~2950	2.5	2760M, ≥50	3040M, ≥50	0.8 Pin	38*12*7
RB2920-240-6R4C	(-1dB) 2800~3040	2.5	2400M, ≥75	4200-6000M, ≥75	0.8 Pin	37*12*7
RB2940-20-6R4CF	(-1dB) 2930~2950	6.5	2880M, ≥55	2990-6700M, ≥50	0.8 Pin	37*12*7
RB2945-42-5R3CF	(-0.5dB) 2924~2966	3	2628M, ≥80	3336M, ≥80	0.8 Pin	29*12*7
RB2950-100-6R4C	(-1dB) 2900~3000	3.5	2700M, ≥70	3200-6000M, ≥70	0.8 Pin	37*12*7
RB2960-30-7R4CC	(-1dB) 2945~2975	7	2880M, ≥70	3040M, ≥70	0.8 Pin	38*12*7
RB2980-25-5S42	(-1dB) 2967~2993	6	2880M, ≥60	3080M, ≥60	0.5 Pin	26*12*7
RB2980-60-7R4CF	(-1dB) 2950~3010	3	2790M, ≥80	3170M, ≥80	0.5 Pin	37*12*7
RB3000-30-7R4CC	(-1dB) 2985~3015	6.5	2900M, ≥80	3100M, ≥80	0.8 Pin	38*12*7

Product Model	Passband frequency (MHz)	center insertion loss (dB)	Bandwidth reduction (dB)		I/O port	Structural dimensions (mm)
RB3000-50-5R3C	(-1dB) 2975~3025	3	2800M, ≥75	3200M, ≥75	0.8 Pin	29*12*7
RB3000-100-5S32	(-1dB) 2950~3050	2.5	2750M, ≥60	3250-6500M, ≥60	0.5 Pin	22*12*6
RB3050-40-5R3C	(-1dB) 3030~3070	4.5	2950M, ≥60	3150M, ≥60	0.8 Pin	29*12*7
RB3095-20-6C1B	(-1dB) 3085~4005	5.5	2995M, ≥80	3195M, ≥80	0.8 Pin	40.4*12*10
RB3100-60-8R5CC	(-1dB) 3070~3130	4	2980M, ≥75	3220M, ≥75	0.8 Pin	46*12*7
RB3100-200-7R4C	(-1dB) 3000~3200	2.5	2800M, ≥65	3400M, ≥65	0.8 Pin	37*12*7
RB3120-50-4R3C	(-1dB) 3095~3145	3	2890M, ≥85	3360M, ≥50	0.8 Pin	29*12*7
RB3125-30-5R3C	(-1dB) 3110~3140	4	3025M, ≥50	3225M, ≥50	0.8 Pin	29*12*7
RB3150-100-9R4C	(-1dB) 3100~3200	3.8	300M, ≥65	3300M, ≥65	0.8 Pin	37*12*7
RB3160-20-7R4CC	(-1dB) 3150~3170	6	3080M, ≥80	3240M, ≥80	0.8 Pin	38*12*7
RB3175-150-7S34	(-1dB) 3100~3250	2.5	2925M, ≥70	3440-7700M, ≥70	0.5 Pin	28*12*6
RB3200-30-5R3C	(-1dB) 3185~3215	5	3100M, ≥60	3300M, ≥60	0.8 Pin	29*12*7
RB3200-100/H-6R3CF	(-0.5dB) 3150~3250	5	3100M, ≥50	3300M, ≥50	0.8 Pin	29*12*7
RB3210-120-7C1B	(-1dB) 3150~3270	3	3060M, ≥45	3360M, ≥45	0.8 Pin	40.4*12*10
RB3250-40-5R3C	(-1dB) 3230~3270	4.5	3150M, ≥60	3350M, ≥60	0.8 Pin	29*12*7
RB3300-25-7R4C	(-1dB) 3287~3313	6.5	3200M, ≥80	3400M, ≥80	0.8 Pin	37*12*7
RB3300-200-7R4C	(-1dB) 3200~3400	2.5	3000M, ≥65	3600M, ≥65	0.8 Pin	37*12*7
RB3330-60-6R3CC	(-1dB) 3300~3360	4	3210M, ≥40	3450M, ≥50	0.8 Pin	30*12*7
RB3360-35-7R4C	(-1dB) 3342~3378	6	3260M, ≥75	3460M, ≥75	0.8 Pin	37*12*7
RB3360-100-7R4CF	(-1dB) 3310~3410	2.8	3160M, ≥60	3560M, ≥60	0.5 Pin	37*12*7
RB3375-50-4R3CC	(-0.5dB) 3350~3400	1.5	3000M, ≥55	3700M, ≥55	0.8 Pin	30*12*7
RB3395-120-8R4CF	(-0.6dB) 3335~3455	3.5	2950M, ≥80	3650-7000M, ≥80	0.8 Pin	37*12*7
RB3400-25-5R3C	(-1dB) 3387~3413	4.5	3300M, ≥55	3500M, ≥55	0.8 Pin	29*12*7
RB3400-40-7R4C	(-1dB) 3380~3420	5.5	3300M, ≥70	3500M, ≥70	0.8 Pin	37*12*7
RB3400-100-5E3CF	(-1dB) 3350~3450	2.5	3000M, ≥50	4000-8300M, ≥50	0.5 Pin	25*12*6
RB3440-30-7R4CC	(-1dB) 3425~3455	7	3360M, ≥70	3520M, ≥70	0.8 Pin	38*12*7
RB3450-40-5R3C	(-1dB) 3430~3470	4.5	3350M, ≥60	3550M, ≥60	0.8 Pin	29*12*7
RB3480-20-6R3C	(-0.5dB) 3470~3490	6	3360M, ≥70	3600M, ≥70	0.8 Pin	29*12*7
RB3500-75-9R5C	(-1dB) 3462~3538	4.5	3400M, ≥50	3600M, ≥50	0.8 Pin	45*12*7
RB3500-100-8R4CS	(-1dB) 3450~3550	3	3350M, ≥60	3650M, ≥60	SMA-K	37*12*7
RB3500-300-7R4C	(-1dB) 3350~3650	2	3000M, ≥70	4000M, ≥70	0.8 Pin	37*12*7
RB3520-40-5R3CC	(-1dB) 3500~3540	4.5	3360M, ≥75	3680M, ≥75	0.8 Pin	30*12*7
RB3520-100-5R3CS	(-1dB) 3470~3570	2	3200M, ≥60	3840M, ≥60	SMA-K	29*12*7
RB3575-30-6E3D	(-1dB) 3560~3590	6.5	3375M, ≥65	3775-3975M, ≥65	0.8 Pin	25*10*6
RB3600-25-6R4C	(-1dB) 3587~3613	6	3500M, ≥75	3700M, ≥75	0.8 Pin	37*12*7
RB3600-50-4R2C	(-1dB) 3575~3625	3	3200M, ≥60	4000M, ≥60	0.8 Pin	21*12*7
RB3600-100-5R3CC	(-1dB) 3550~3650	2.2	3450M, ≥30	3750M, ≥30	0.8 Pin	30*12*7

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RB3618-42-4R3CC	(-1dB) 3597~3639	4	3498M, ≥50	3738M, ≥50	0.8 Pin	30*12*7
RB3650-120-9R4CC	(-1dB) 3590~3710	4	3400M, ≥85	3900M, ≥85	0.8 Pin	38*12*7
RB3680-30-7R4CC	(-1dB) 3665~3695	7	3600M, ≥70	3760M, ≥70	0.8 Pin	38*12*7
RB3700-25-6R4CF	(-1dB) 3687~3713	6.5	3600M, ≥70	3800M, ≥70	0.5 Pin	37*12*7
RB3700-100-7R4CS	(-1dB) 3650~3750	3	3500M, ≥70	3900M, ≥70	SMA-K	37*12*7
RB3720-20-6R3C	(-0.5dB) 3710~3730	6	3600M, ≥70	3840M, ≥70	0.8 Pin	29*12*7
RB3750-250-8R3CC	(-1dB) 3625~3875	2.5	3450M, ≥65	4300-8000M, ≥70	0.8 Pin	30*12*7
RB3775-30-6E3D	(-1dB) 3760~3790	6.5	3700M, ≥50	3850M, ≥50	0.8 Pin	25*10*6
RB3800-50-6R3CF	(-1dB) 3775~3825	5	3700M, ≥50	3900M, ≥50	0.8 Pin	29*12*7
RB3825-100-6R4C	(-1dB) 3775~3875	3.5	3360M, ≥80	4200M, ≥50	0.8 Pin	37*12*7
RB3840-40-4R3CC	(-1dB) 3820~3860	4.5	3680M, ≥75	4000M, ≥75	0.8 Pin	30*12*7
RB3840-100-7E5CF	(-1dB) 3790~3890	3.5	3690M, ≥50	3990M, ≥50	0.8 Pin	32*12*6
RB3850-120-9R4CC	(-1dB) 3790~3910	4	3600M, ≥85	4100M, ≥85	0.8 Pin	38*12*7
RB3900-30-7C1B	(-1dB) 3885~3915	6	3800M, ≥80	4000M, ≥80	0.8 Pin	40.4*12*10
RB3950-44-6R4CCS	(-1dB) 3928~3972	5	3830M, ≥60	4070M, ≥60	SMA-K	38*12*7
RB3960-20/H-7R4C	(-0.5dB) 3950~3970	6	3860M, ≥80	4060M, ≥80	0.8 Pin	37*12*7
RB3960-120-6R4C	(-1dB) 3900~4020	3	3660M, ≥70	4260M, ≥65	0.8 Pin	37*12*7
RB3980-40-7R4CS	(-1dB) 3960~4000	6	3900M, ≥50	4100M, ≥75	SMA-K	37*12*7
RB4000-60-6R3CP	(-0.5dB) 3970~4030	4	3730M, ≥78	4270M, ≥78	0.8 Pin	30*12*7
RB4050-100-6R4CS	(-1dB) 4000~4100	4	3800M, ≥60	4200M, ≥30	SMA-K	37*12*7
RB4100-200-7E5CF	(-1dB) 4000~4300	3	3600M, ≥65	4400-10000M, ≥50	0.5 Pin	32*12*6
RB4150-60-6E4DF	(-1dB) 4120~4180	4	3900M, ≥70	4400-5500M, ≥70	0.8 Pin	29*10*6
RB4160-40-9R4CC	(-1dB) 4140~4180	8.5	4080M, ≥70	4240M, ≥70	0.8 Pin	38*12*7
RB4200-20-7R4CC	(-1dB) 4190~4210	7	4100M, ≥80	4300M, ≥80	0.8 Pin	38*12*7
RB4200-150-5R3CF	(-1dB) 4125~4275	2.5	3800M, ≥60	4400M, ≥60	0.8 Pin	29*12*7
RB4240-10-5R3CS	(-0.2dB) 4235~4245	5	4110M, ≥60	4370M, ≥60	SMA-K	29*12*7
RB4250-300-8R4C	(-1.5dB) 4100~4400	3	3950M, ≥45	4550M, ≥45	0.8 Pin	37*12*7
RB4300-40-5E3C	(-1dB) 4280~4320	6	4100M, ≥65	4500M, ≥65	0.8 Pin	25*12*6
RB4300-200-7R4CC	(-0.8dB) 4200~4400	2.8	4000M, ≥45	4600M, ≥45	0.8 Pin	38*12*7
RB4310-90-7R4C	(-1dB) 4265~4355	4	4130M, ≥60	4490M, ≥60	0.8 Pin	37*12*7
RB4336-50-9R5C	(-1dB) 4311~4361	8	4236M, ≥70	4436M, ≥70	0.8 Pin	45*12*7
RB4350-50-5E3CF	(-1dB) 4325~4375	4.5	4070M, ≥70	4630M, ≥70	0.8 Pin	25*12*6
RB4400-70/H-7E5DF	(-0.5dB) 4065~4435	4	4260M, ≥50	4540-9000M, ≥50	0.5 Pin	32*10*6
RB4450-54-7R4CS	(-0.8dB) 4423~4477	5.5	4320M, ≥60	4580M, ≥60	SMA-K	37*12*7
RB4465-100-7R4CC	(-1dB) 4415~4515	6	4265M, ≥65	4665M, ≥65	0.8 Pin	38*12*7
RB4500-80-6C1B	(-1dB) 4460~4540	4	4000M, ≥60	5000M, ≥60	0.8 Pin	40.4*12*10
RB4500-200-7E5D	(-1dB) 4400~4600	3.5	4000M, ≥40	4700-8500M, ≥30	0.8 Pin	32*10*6

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RB4520-10-5E3CF	(-0.2dB) 4515~4525	5	4250M, ≥70	4800M, ≥70	0.5 Pin	25*12*6
RB4560-50-7R4CC	(-1dB) 4535~4585	6	4360M, ≥85	4760M, ≥85	0.8 Pin	38*12*7
RB4600-50-6R3C	(-1dB) 4575~4625	6	4400M, ≥70	4800M, ≥70	0.8 Pin	29*12*7
RB4620-36-5R3C	(-1dB) 4602~4638	5	4420M, ≥60	4820M, ≥60	0.8 Pin	29*12*7
RB4650-200-7R4CC	(-1dB) 4550~4750	3	4300M, ≥40	5000-5500M, ≥60	0.8 Pin	38*12*7
RB4700-200-7E5CF	(-1dB) 4600~4800	3	4200M, ≥65	5000-11500M, ≥50	0.5 Pin	32*12*6
RB4750-500-6S33	(-1dB) 4500~5000	1.8	4150M, ≥30	5350M, ≥30	0.5 Pin	25*12*6
RB4800-40-7R4C	(-1dB) 4780~4820	7.5	4700M, ≥50	4900M, ≥50	0.8 Pin	37*12*7
RB4800-100-5R3C	(-1dB) 4750~4850	3	4440M, ≥65	5160M, ≥65	0.8 Pin	29*12*7
RB4850-60-8E3D	(-1dB) 4820~4880	7	4650M, ≥55	5050-10000M, ≥55	0.8 Pin	25*10*6
RB4900-200-9R4C	(-1dB) 4800~5000	3.5	4600M, ≥70	5600M, ≥70	0.8 Pin	37*12*7
RB4945-100-7R4CC	(-1dB) 4895~4995	6	4745M, ≥65	5145M, ≥65	0.8 Pin	38*12*7
RB5000-60-6R3C	(-1dB) 4970~5030	6	4800M, ≥65	5200M, ≥65	0.8 Pin	29*12*7
RB5000-100-4R3C	(-1dB) 4950~5050	4	4000M, ≥50	6000M, ≥50	0.8 Pin	29*12*7
RB5065-100-7R4CC	(-1dB) 5015~5115	6	4815M, ≥85	5315M, ≥85	0.8 Pin	38*12*7
RB5100-30-8R4CF	(-1dB) 5185~5115	9	5000M, ≥55	5200M, ≥55	0.8 Pin	37*12*7
RB5160-50-5R3B	(-1dB) 5135~5185	5	5040M, ≥50	5280-8100M, ≥50	0.8 Pin	29*16*7
RB5200-50-5R3C	(-1dB) 5175~5225	4	5000M, ≥45	5400M, ≥45	0.8 Pin	29*12*7
RB5200-240-7R4CF	(-1dB) 5080~5320	3	4120M, ≥80	6660-7060M, ≥60	0.8 Pin	37*14*7
RB5300-20-6R3CF	(-0.2dB) 5290~5310	5	4700M, ≥70	5000M, ≥70	0.5 Pin	29*12*7
RB5300-200-7E5CS	(-1dB) 5200~5400	3	4950M, ≥60	5650M, ≥60	SMA-K	32*12*7
RB5450-300-8R4C	(-1.5dB) 5300~5600	3	5150M, ≥45	5750M, ≥45	0.8 Pin	37*12*7
RB5500-50-7R4C	(-1dB) 5475~5525	4	5400M, ≥40	5600M, ≥40	0.8 Pin	37*12*7
RB5500-600-8D3	(-1dB) 5200~5800	3	4900M, ≥50	6150-11000M, ≥50	0.8 Pin	35*12*7
RB5600-150-5R3C	(-1dB) 5525~5675	4	4800M, ≥60	6400M, ≥60	0.8 Pin	29*12*7
RB5640-60-5E3C	(-0.5dB) 5610~5670	4.5	5340M, ≥70	5360M, ≥65	0.8 Pin	25*12*6
RB5700-60-6E4DF	(-1dB) 5670~5730	5	5400M, ≥70	6000M, ≥70	0.8 Pin	29*10*7
RB5725-100-6E4CF	(-1dB) 5675~5775	4	5225M, ≥50	6225M, ≥75	0.8 Pin	29*12*6
RB5800-420-7E3DF	(-1.5dB) 5590~6010	2.8	5300M, ≥45	6300-8000M, ≥45	0.8 Pin	25*10*6
RB5900-60-6R3C	(-1dB) 5870~5930	6	5700M, ≥65	6100M, ≥65	0.8 Pin	29*12*7
RB5970-100-6R3C	(-1dB) 5920~6020	3	4800M, ≥70	7140M, ≥70	0.8 Pin	29*12*7
RB6000-500-6R3C	(-1dB) 5750~6250	1.8	5500M, ≥30	6500M, ≥25	0.8 Pin	29*12*7
RB6200-60-6R4CC	(-1dB) 6170~6230	6	6000M, ≥80	6400M, ≥80	0.8 Pin	38*12*7
RB6345-110/U-5E3C	(-1dB) 6290~6400	3	6000M, ≥60	6700M, ≥60	0.8 Pin	25*12*6
RB6500-60-6R3C	(-1dB) 6470~6530	6	6300M, ≥65	6700M, ≥65	0.8 Pin	29*12*7
RB6525-200-9R4CC	(-1dB) 6425~6625	4	6195M, ≥75	6855M, ≥75	0.8 Pin	38*12*7
RB6600-60-6R4CC	(-1dB) 6570~6630	6	6400M, ≥80	6800M, ≥80	0.8 Pin	38*12*7

Product Model	Passband frequency (MHz)	center insertion loss (dB)	Bandwidth reduction (dB)		I/O port	Structural dimensions (mm)
RB6800-100-6R4CF	(-1dB)6750~6850	3.5	5900M,≥70	7200M,≥70	0.8 Pin	37*12*7
RB6960-60-7R4C	(-1dB)6930~6990	6.5	6800M,≥75	7120M,≥75	0.8 Pin	37*12*7
RB7125-200-9R4CC	(-1dB)7025~7225	4	6795M,≥75	7455M,≥75	0.8 Pin	38*12*7
RB7500-130-6S32	(-1dB)7435~7565	6	7150M,≥60	7850-13000M,≥60	0.5 Pin	22*12*6
RB8200-400-7S	(-1dB)8000~8400	4	7480M,≥55	8920M,≥55	0.5 Pin	20*12*6
RBS750-10-4M21	(-1dB)745~755	5	700M,≥60	800M,≥60	chip	18*16*5.5
RBS800-38-7M24	(-1dB)781~819	3	730M,≥60	870M,≥60	chip	30*16*5.5
RBS850-5/H-5M12	(-0.5dB)843~853	5	820M,≥50	880M,≥50	chip	22*14*5.5
RBS1000-20-4M31C	(-1dB)990~1010	3	900M,≥50	1100-2300M,≥50	chip	15*12*4.5
RBS1030-10-6M	(-0.5dB)1025~1035	5.5	970M,≥75	1090M,≥55	chip	26*14*5.5
RBS1050-100-6M33	(-1dB)1000~1100	2	870M,≥60	1230M,≥60	chip	22*12*4.5
RBS1060-80-7M04	(-1dB)1020~1100	3	960M,≥50	1160M,≥50	chip	30*12*5.5
RBS1060-140-6M33	(-1dB)990~1130	2.5	910M,≥30	1210M,≥30	chip	22*12*4.5
RBS1087-94-7M34	(-0.6dB)1040~1134	3	960M,≥50	1300-1734M≥60	chip	25*12*4.5
RBS1090-25-4M	(-1dB)1084~1096	2.5	1020M,≥45	1160M,≥45	chip	18*13*5.5
RBS1092.5-265-7M24	(-0.5dB)960~1225	1	800M,≥50	1500M,≥50	chip	30*16*5.5
RBS1100-20-4M01	(-1dB)1090~1110	4	1000M,≥65	1200M,≥65	chip	18*12*5.5
RBS1130-42-6M13	(-1dB)1109~1151	4	1040M,≥65	1270M,≥65	chip	26*14*5.5
RBS1140-15-5M02	(-1dB)1133~1148	5	1080M,≥70	1200M,≥70	chip	22*12*5.5
RBS1200-48-5M32C	(-0.8dB)1176~1224	2.8	1025M,≥60	1375M,≥60	chip	18*12*4.5
RBS1230-30-4MG	(-1dB)1215~1245	3.5	1110M,≥35	1350M,≥35	chip	10*12*3.5
RBS1275-150/U-6M33	(-1dB)1200~1350	1.5	1100M,≥50	1490-3300M,≥50	chip	22*12*4.5
RBS1290-5/H-5M02	(-0.5dB)1288~1293	5.5	1255M,≥50	1325M,≥50	chip	22*12*5.5
RBS1300-20-7M04	(-3dB)1290~1310	6.5	1272M,≥40	1328M,≥40	chip	30*12*5.5
RBS1320-30-5M02	(-1dB)1305~1335	3.5	1235M,≥60	1405M,≥60	chip	22*12*5.5
RBS1350-20-7M04	(-1dB)1340~1360	6.5	1322M,≥40	1378M,≥40	chip	30*12*5.5
RBS1350-60/H-5M32C	(-0.5dB)1320~1380	2.5	1150M,≥60	1550M,≥60	chip	18*12*4.5
RBS1400-20-4M01	(-1dB)1390~1410	4	1300M,≥65	1500M,≥65	chip	18*12*5.5
RBS1400-100-5M32	(-1dB)1300~1500	1.5	1268M,≥40	1575M,≥40	chip	18*12*4.5
RBS1420-50-8MK	(-1dB)1395~1445	4.5	1350M,≥60	1500-3200M,≥60	chip	18*14*3.5
RBS1450-20-7M04	(-3dB)1440~1460	6.5	1422M,≥40	1478M,≥40	chip	30*12*5.5
RBS1464-26-4MG	(-0.4dB)1451~1477	4.5	1090M,≥30	1530-1600M,≥30	chip	10*12*3.5
RBS1500-20-4M01	(-1dB)1490~1510	4	1400M,≥65	1600M,≥65	chip	18*12*5.5
RBS1532-10-4MG	(-0.4dB)1527~1537	4.5	1464M,≥30	1812M,≥30	chip	10*12*3.5
RBS1572-30-4M73	(-1dB)1557~1587	2	1522M,≥25	1622M,≥25	chip	26*16*7.5
RBS1600-20-6M03	(-1dB)1590~1610	5	1520M,≥80	1680M,≥80	chip	26*12*5.5
RBS1640-5-4M31	(-0.2dB)1637~1643	4	1500M,≥60	1780M,≥60	chip	15*12*4.5

Product Model	Passband frequency (MHz)	center insertion loss (dB)	Bandwidth reduction (dB)		I/O port	Structural dimensions (mm)
RBS1690-40-4M31	(-0.8dB)1670~1710	3	1550M,≥50	1850M,≥50	chip	15*12*4.5
RBS1742-50-5M02	(-1dB)1717~1767	2.5	1500M,≥70	2000-3500M,≥70	chip	22*12*5.5
RBS1750-100-7M34	(-1dB)1700~1800	2.5	1600M,≥70	1900-3000M,≥20	chip	25*12*4.5
RBS1800-60-7M34C	(-1dB)1770~1830	3.5	1700M,≥60	1900-4000M,≥60	chip	25*12*4.5
RBS1800-100-6MI	(-1dB)1750~1850	2.5	1600M,≥55	2000M,≥55	chip	14*10*3.5
RBS1800-200-7M34	(-1dB)1700~1900	2	1500M,≥50	2300-4000M,≥50	chip	25*12*4.5
RBS1840-20-6M03	(-1dB)1830~1850	5	1760M,≥80	1920M,≥80	chip	26*12*5.5
RBS1995-30/H-5M02	(-0.5dB)1980~2010	2.8	1855M,≥65	2135M,≥65	chip	22*12*5.5
RBS2000-11/H-5M32	(-0.5dB)1995~2006	6.5	1970M,≥30	2030M,≥30	chip	18*12*4.5
RBS2040-20-5M32	(-1dB)2030~2050	3.5	1920M,≥60	2160M,≥60	chip	18*12*4.5
RBS2069-102-7M04	(-1dB)2018~2120	3	1969M,≥30	2169M,≥30	chip	30*12*5.5
RBS2072.5-95-3M30	(-0.5dB)2025~2120	1	1700M,≥30	2450M,≥30	chip	12*12*4.5
RBS2097-30-4M01	(-0.5dB)2082~2112	2.2	1968M,≥45	2266-2288M,≥55	chip	18*12*5.5
RBS2140-80/H-8M05	(-0.5dB)2100~2180	3	2000M,≥60	2280M,≥60	chip	34*12*5.5
RBS2185-30-5M02	(-1dB)2170~2200	4	2145M,≥25	2225M,≥25	chip	22*12*5.5
RBS2200-12/H-6M33C	(-0.5dB)2194~2206	5.5	2140M,≥55	2260M,≥55	chip	22*12*4.5
RBS2245-50-4M31C	(-0.5dB)2220~2270	1.5	2020M,≥40,	2480-2540M,≥40	chip	15*12*4.5
RBS2250-50-7MJ	(-1dB)2225~2275	5	2140M,≥65	2360M,≥65	chip	16*12*3.5
RBS2250A-100-5M32C	(-1dB)2200~2300	2.5	2050M,≥45	2450M,≥45	chip	18*12*4.5
RBS2260-24/H-5M32C	(-0.5dB)2248~2272	4	2120M,≥60	2350-5000M,≥50	chip	18*12*4.5
RBS2285-20-5M02	(-3dB)2275~2295	5.5	2215M,≥55	2355M,≥55	chip	22*12*5.5
RBS2300-20-4M01	(-0.5dB)2290~2310	3	2000M,≥45	2600M,≥45	chip	18*12*5.5
RBS2350-300-4M31C	(-1dB)2200~2500	0.8	1650M,≥40	3050M,≥40	chip	15*12*4.5
RBS2400-12/H-6M33C	(-0.5dB)2394~2406	6	2280M,≥75	2460M,≥50	chip	22*12*4.5
RBS2422-40-5M32C	(-1dB)2402~2442	3.5	2342M,≥40	2502M,≥40	chip	18*12*4.5
RBS2440-80/H-8M05	(-0.5dB)2400~2480	3	2300M,≥60	2580M,≥60	chip	34*12*5.5
RBS2483-20/H-7M34	(-0.5dB)2473~2493	7	2433M,≥50	2533M,≥50	chip	25*12*4.5
RBS2500-30-5MH	(-0.8dB)2485~2515	6	2400M,≥43	2600M,≥43	chip	12*12*3.5
RBS2775-170-6M33	(-0.5dB)2690~2860	2.5	2525M,≥40	3025M,≥40	chip	22*12*4.5
RBS2815-220-5M32	(-1dB)2705~2925	1.5	2400M,≥60	3400-6800M,≥60	chip	18*12*4.5
RBS2900-20-4M31	(-1dB)2890~2910	5.5	2570M,≥30	2950M,≥30	chip	15*12*4.5
RBS3000-20-3M30	(-0.3dB)2990~3010	2.5	2750M,≥45	3250M,≥45	chip	12*10*4.5
RBS3100-120-4M01	(-1dB)3040~3160	2	2900M,≥30	3300M,≥30	chip	18*12*5.5
RBS3135-40-4M01	(-3dB)3115~3155	3.5	3035M,≥40	3270M,≥40	chip	18*12*5.5
RBS3200-25-7M04	(-1dB)3188~3213	6.5	3120M,≥80	3280M,≥80	chip	30*12*5.5
RBS3340-50-6M03	(-1dB)3315~3365	3.5	3090M,≥70	3600-7000M,≥70	chip	26*12*5.5
RBS3400-100-7MJ	(-1dB)3350~3450	3.5	3250M,≥45	3550M,≥45	chip	16*10*3.5

Product Model	Passband frequency (MHz)	center insertion loss (dB)	Bandwidth reduction (dB)		I/O port	Structural dimensions (mm)
RBS3500-200/T-6MI	(-3dB)3400~3600	2.5	3630M,≥8	3700M,≥33	chip	14*10*3.5
RBS3600-30-5M02	(-1dB)3585~3615	5.5	3500M,≥60	3700M,≥60	chip	22*12*5.5
RBS3780-40-6M03	(-1dB)3760~3800	5.5	3680M,≥60	3880M,≥60	chip	26*12*5.5
RBS4000-6/H-4MG	(-0.5dB)3997~4003	5	3900M,≥35	4100-6000M,≥35	chip	10*10*3.5
RBS4260-120-5M32C	(-1dB)4200~4320	2.5	3840M,≥60	4800-5760M,≥60	chip	18*12*4.5
RBS4500-45-5M32C	(-1dB)4478~4523	5.5	4200M,≥60	4800-5400M,≥60	chip	18*12*4.5
RBS5550-400-7MJ	(-1.2dB)5350~5450	2.8	5050M,≥50	6050M,≥50	chip	16*10*3.5

Dielectric Band Reject Filters

Product Model	Passband frequency (MHz)	insertion loss (dB)	stopband rejection (dB)	I/O port	Structural dimensions (mm)
RR364-2-3CS	110~356M,372~400M	3	363~365M,≥55	SMA-K	80*30*10
RR450-3-3CS	DC~438M,470~900M	1	448~452M,≥20	SMA-K	50*30*8
RR510-3-3CS	DC~495M,535~1020M	1	508~512M,≥20	SMA-K	50*30*8
RR780-10-2R4B	840~860M	1	775~785M,≥30	0.8 Pin	37*16*7
RR880-20-4R8BS	DC~830M,930~1000M	2	870~890M,≥40	SMA-K	51*16*9
RR1030-20-5C	DC~970M,1130~2000M	1.5	1020~1040M,≥70	0.8 Pin	60*14*7
RR1055A-10-5R9B	DC~1025M	1.8	1050~1060M,≥45	0.8 Pin	63*16*9
RR1090-20-5C	DC~1030M,1190~2000M	1.5	1080~1100M,≥70	0.8 Pin	60*14*7
RR1150-10-3R4BF	1200~1500M	1.5	1150M,≥45	0.8 Pin	37*16*7
RR1242-76-4CS	1350~1400M,1640~1700M	1.8	1204~1280M,≥70	SMA-K	63*16*9
RR1268-20-4R8CS	DC~1210M,1340~2200M	2	1258~1278M,≥50	SMA-K	51*12*9
RR1320-10-3CS	1340~1740M	2	1315~1325M,≥35	SMA-K	70*25*10
RR1575-20-3R3CS	1300~1400M	0.8	1565~1585M,≥40	SMA-K	37*12*7
RR1600-10-3R5CS	900~1500M	1.5	1595~1605M,≥50	SMA-K	45*12*9
RR1750-10-4R5CS	DC~1675M	1.2	1745~1755M,≥50	SMA-K	45*12*7
RR1800-100-5R9CS	1200~1600M,2050~3800M	2	1750~1850M,≥40	SMA-K	63*16*9
RR1950-10-4R5C	1980~2550M	2.2	1945~1955M,≥55	0.8 Pin	45*12*7
RR2000-10-3R4CS	1000~1900M,2100~3000M	1.5	1995~2005M,≥50	SMA-K	37*12*7
RR2142-10-3R3C	2277~2287M	0.8	2137~2147M,≥45	0.8 Pin	29*12*7
RR2250-120-6CS	DC~1780M,2720~3200M	1	2190~2310M,≥70	SMA-K	80*16*10
RR2300-10-5CS	1750~2250M	2	2295~2305M,≥65	SMA-K	53*12*7
RR2300-100-4R5CS	1850~2150M	2	2250~2350M,≥30	SMA-K	45*12*7
RR2400-10-5R5CS	1300~2300M	1.5	2395~2405M,≥50	SMA-K	45*12*9
RR2450-150-6R9CS	DC~2200M,2700~3000M	2	2375~2525M,≥45	SMA-K	63*12*9
RR2500-10-4R4CF	1380~2380M	1.5	2495~2505M,≥55	0.8 Pin	37*12*7

Product Model	Passband frequency (MHz)	insertion loss (dB)	stopband rejection (dB)	I/O port	Structural dimensions (mm)
RR2600-10-4R5CS	DC~2500M,2700~4000M	1.5	2595~2605M,≥50	SMA-K	45*12*7
RR2650-5-4R5C	2700~3500M	2	2647~2653M,≥45	0.8 Pin	45*12*7
RR2700-50-5R8CS	DC~2450M,2925~4500M	3	2675~2725M,≥65	SMA-K	51*12*9
RR2800-400-6R9CS	DC~2300M,3300~5000M	3	2600~3000M,≥65	SMA-K	63*12*9
RR2875-100-5R8CS	DC~2650M,3125~4700M	3	2825~2925M,≥65	SMA-K	51*12*9
RR2950-10-4R5CS	1600~2800M	1.5	2945~2955M,≥60	SMA-K	45*12*7
RR3000-10-4R4C	2100~2900M	2	2995~3005M,≥60	0.8 Pin	37*12*7
RR3050-10-5R5BS	2000~3000M,3150~6000M	1.5	3045~3055M,≥50	SMA-K	45*16*7
RR3100-40-7R4CF	1980~3020M	2	3080~3120M,≥30	0.8 Pin	37*12*7
RR3150-50-5R8C	2000~3050M	2	3125~3175M,≥45	0.8 Pin	51*12*9
RR3200-10-5R9CS	2100~3100M	2	3195~3205M,≥40	SMA-K	63*12*9
RR3200-50-6R9CS	2000~3000M	2	3175~3225M,≥50	SMA-K	63*12*9
RR3250-5-4R5C	3300~4100M	2	3247~3253M,≥45	0.8 Pin	45*12*7
RR3300-20-4R4CS	DC~3200M	1.8	3290~3310M,≥50	SMA-K	37*12*7
RR3450-5-4R5C	3500~4300M	2	3447~3453M,≥45	0.8 Pin	45*12*7
RR3500A-200-4R4C	2000~3250M,3750~4000M	1.8	3400~3600M,≥35	0.8 Pin	37*12*7
RR3570-140-4R8C	DC~3400M	2	3500~3640M,≥30	0.8 Pin	51*12*9
RR3600-20-5R8CF	2500~3500M	1.8	3590~3610M,≥65	0.8 Pin	51*12*7
RR3670-140-4R8C	DC~3500M	1.2	3600~3740M,≥30	0.8 Pin	51*12*9
RR3800-10-3R4CF	3300~3700M	1.8	3795~3805M,≥30	0.4 Pin	37*12*7
RR3850-4-2R2C	2700~3700M	1	3848~3852M,≥35	0.8 Pin	21*12*7
RR3900-10-5R5CS	2800~3800M	1.5	3895~3905M,≥60	SMA-K	45*12*7
RR4000-10-3R3CF	100~3800M	1.5	3995~4005M,≥60	0.8 Pin	29*12*7
RR4100-20-5R5CS	3000~4000M	1.5	4090~4110M,≥65	SMA-K	45*12*7
RR4150-100-5R4CF	2700~4000M	2	4100~4200M,≥30	0.8 Pin	37*12*7
RR4300-10-5R8CS	DC~4200M,4400~6000M	2	4295~4305M,≥50	SMA-K	51*12*9
RR4300A-200-4C	DC~3800M,4800~6000M	1	4200~4400M,≥40	0.4 Pin	31.9*11.9*6.9
RR4400-10-4R4C	3300~4300M	2	4395~4405M,≥45	0.8 Pin	37*12*7
RR4450-10-4E5CF	3300~4300M	1.2	4445~4455M,≥50	0.8 Pin	32*12*6
RR4500-200-6CS	2300~4300M	3.2	4400M,≥55; 4600M,≥20	SMA-K	53*12*7
RR4600-10-5R5CS	2500~4500M	2	4595~4605M,≥60	SMA-K	45*12*7
RR4725-450-5R5CS	100~3900M,5300~6000M	2.5	4450~5000M,≥32	SMA-K	45*12*7
RR5000-20-4R4C	2800~4800M	1.5	4990~5010M,≥45	0.8 Pin	37*12*7
RR5300-10-3R3C	3000~5000M	1.2	5295~5305M,≥40	0.4 Pin	29*12*7
RR5350-100-5R4CF	4000~5200M	2.2	5300~5400M,≥30	0.8 Pin	37*12*7
RR5400-10-4R4CF	4500~5300M	2	5395~5405M,≥35	0.5 Pin	37*12*7
RR6200-10-4R3CF	4000~6000M	1.5	6195~6205M,≥40	0.4 Pin	29*12*7

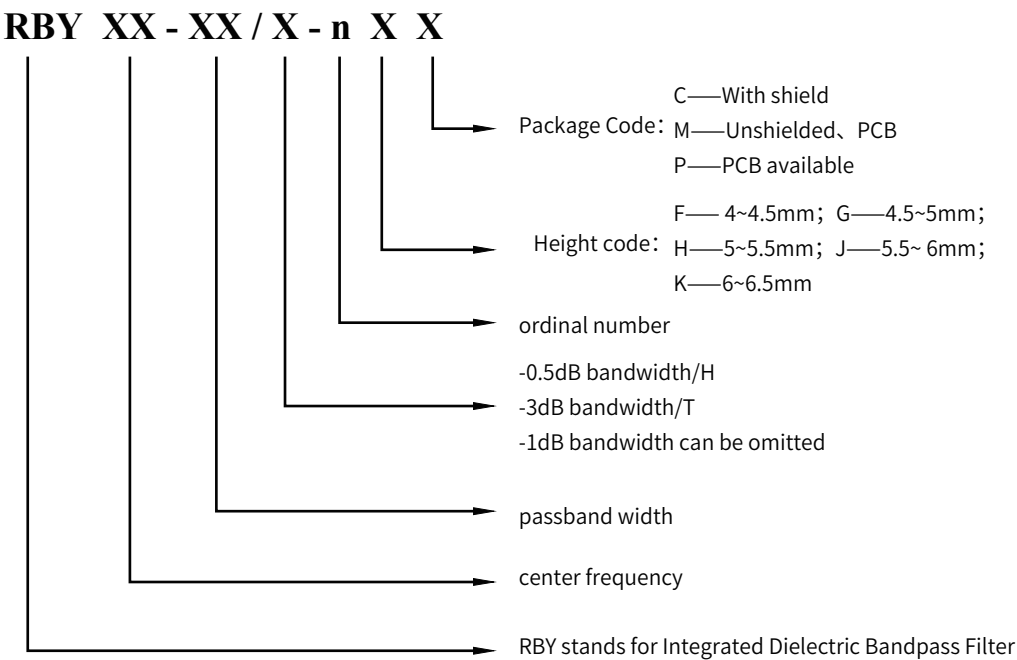
Integrated Dielectric Filters (frequency range 500-3500 MHz)

In order to further reduce the size of dielectric filters, we have integrated the resonance and coupling structure of dielectric filters. Using electromagnetic overall optimization simulation, we have introduced a small integrated dielectric filter product. The integrated dielectric filter is designed with surface mount structure, which is especially suitable for the application environment of surface mounting process.

Specificities

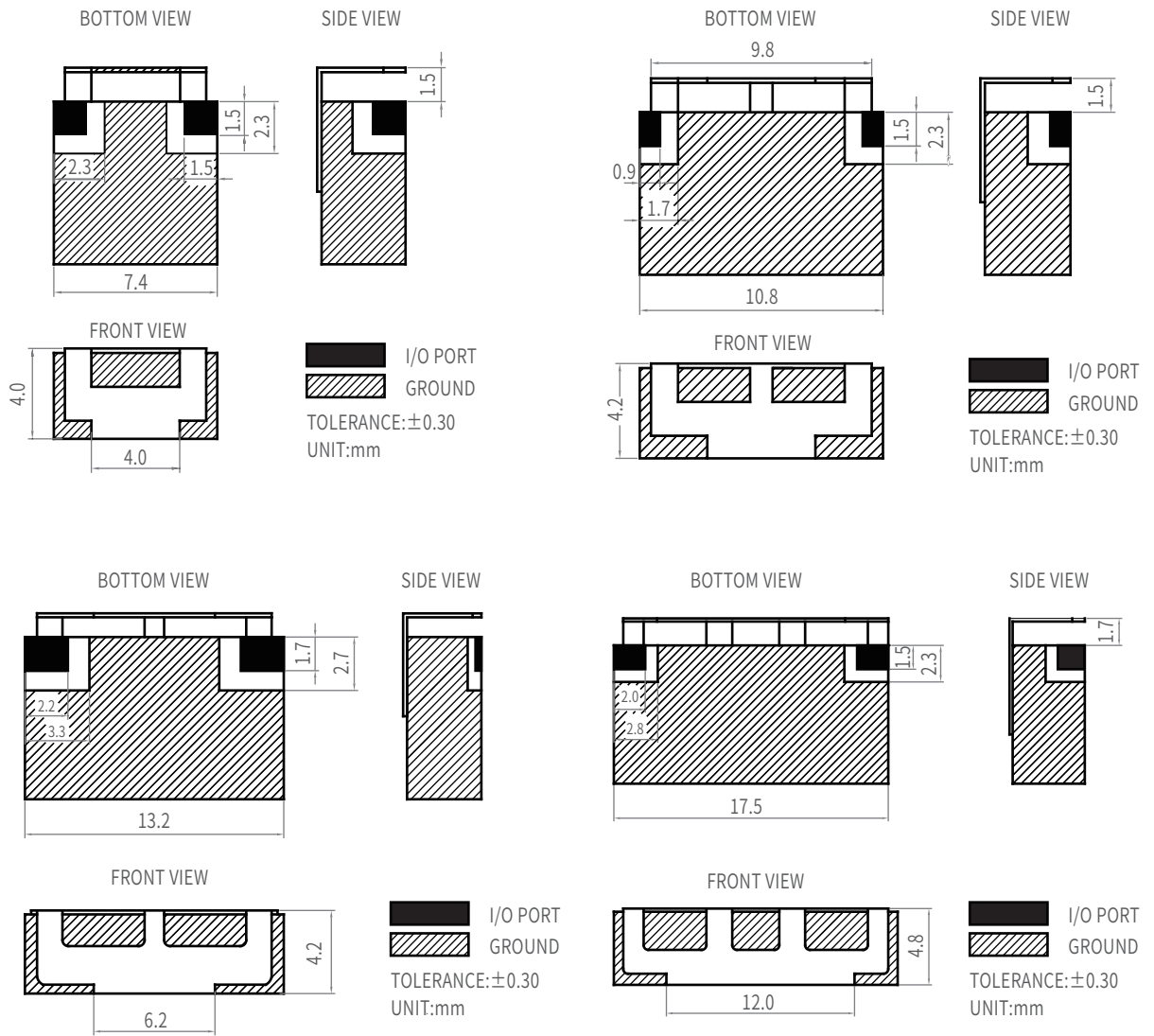
- Narrowband filter with good temperature performance, low insertion loss and small size.
- Frequency coverage: 500-3500MHz
- 3dB bandwidth: 1%-10
- Number of steps: 2-8 steps
- Structure: Surface mount, suitable for high volume placement.

Nomenclature

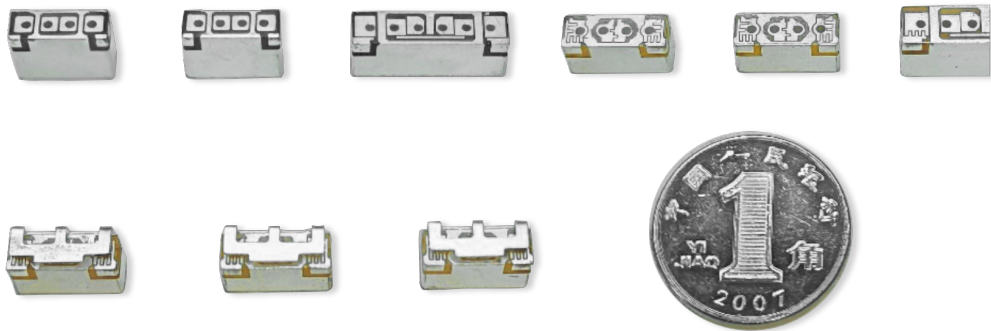


When the filter appears the same center frequency, the same bandwidth, the same order, the same structure, only the index is different, in order not to cause confusion, the model number in the center frequency after the addition of A, B, C and other letters to show the difference.

Typical structure

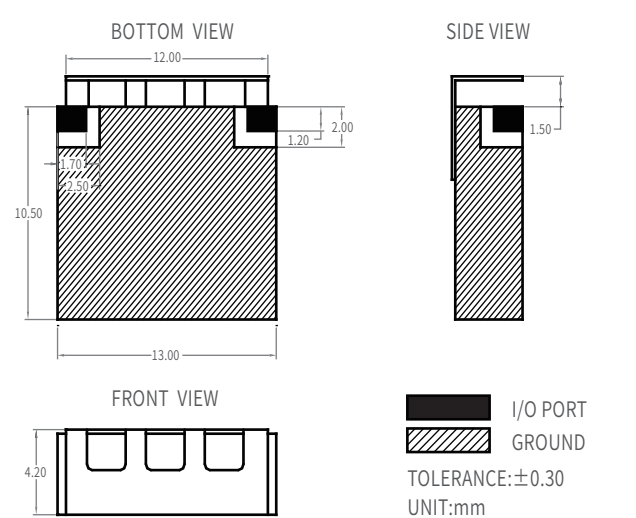


Product Showcase

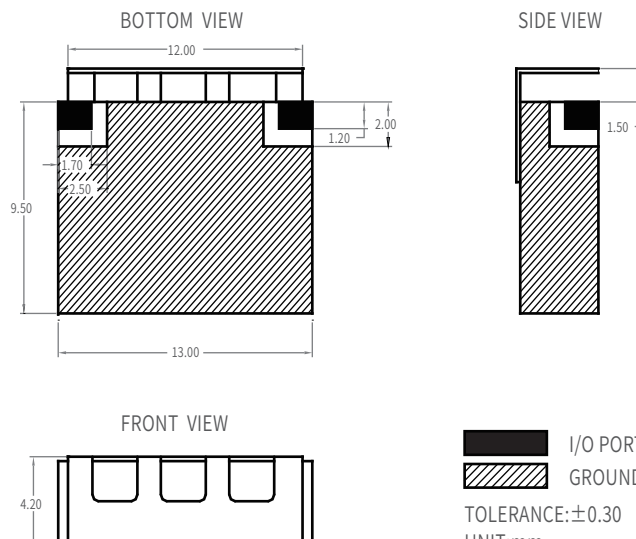


Integrated Media Partial Catalog (in ascending order of center frequency)

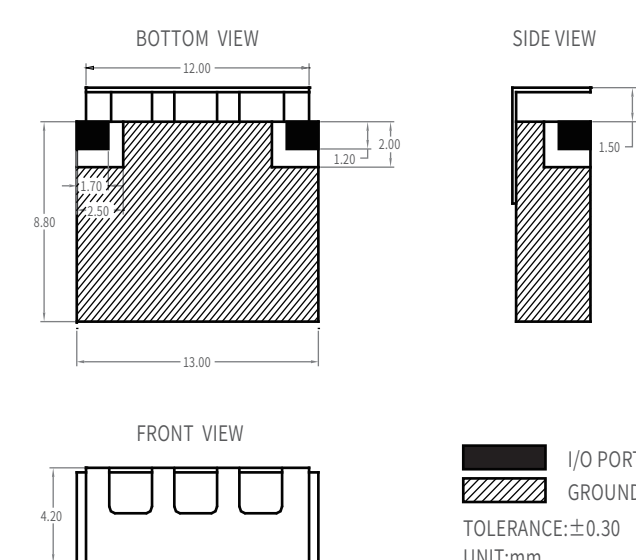
► RBY690-50-P6FC

passband frequency (MHz)	center insertion loss	stopband rejection (dB)		I/O port	size(mm)
(-1.5dB) 665~715	≤4.0dB	600M, ≥55	780-1250M, ≥55	chip	13*10.5*4.2
external structure					
	TOLERANCE:±0.30 UNIT:mm				

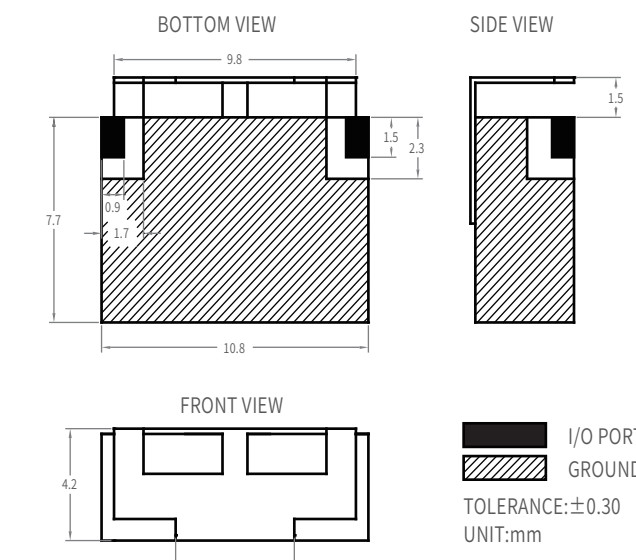
► RBY775-30-P6FC

passband frequency (MHz)	center insertion loss	stopband rejection (dB)		I/O port	size(mm)
(-1.3dB) 760~790	≤4.0dB	740M, ≥40	810-880M, ≥10	chip	13*9.5*4.2
external structure					
	TOLERANCE:±0.30 UNIT:mm				

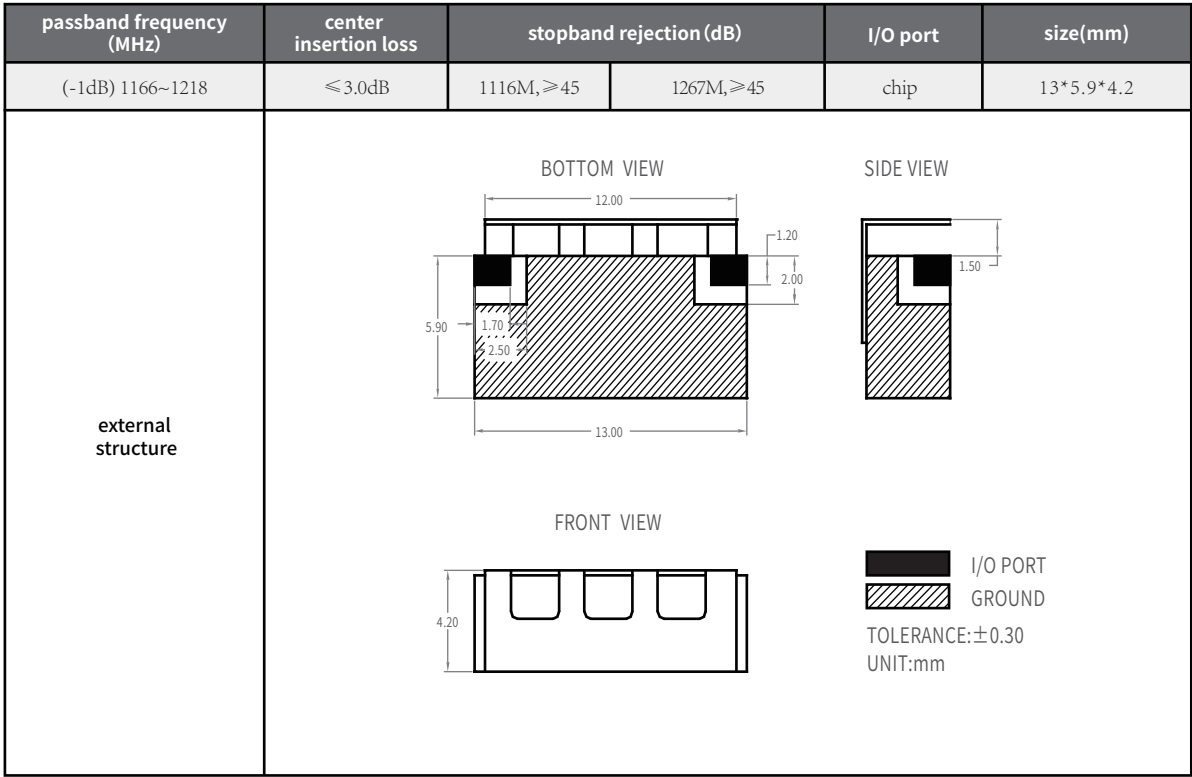
► RBY835-30-P6FC

passband frequency (MHz)	center insertion loss	stopband rejection (dB)		I/O port	size(mm)
(-1.3dB) 820~850	≤4.0dB	730M, ≥50	940-1600M, ≥50	chip	13*8.8*4.2
external structure					
	TOLERANCE:±0.30 UNIT:mm				

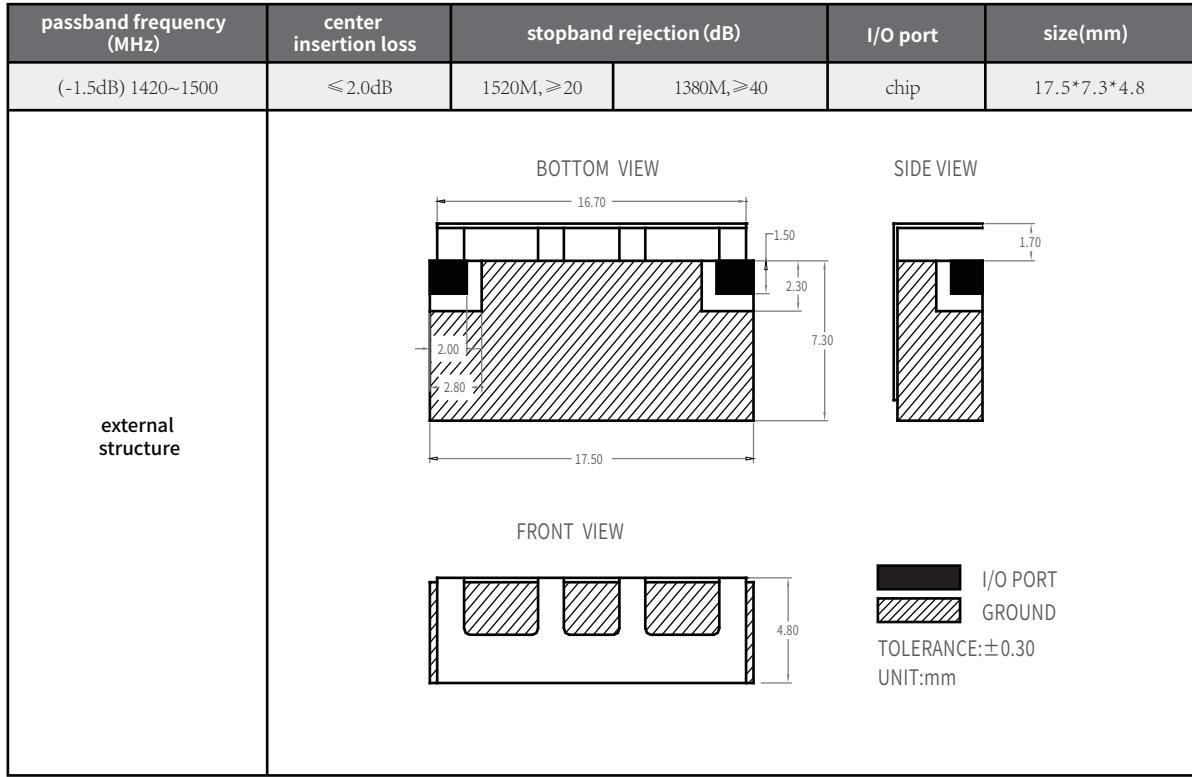
► RBY960-15-P4FC

passband frequency (MHz)	center insertion loss	stopband rejection (dB)		I/O port	size(mm)
(-1dB) 952.5~967.5	≤2.2dB	860M, ≥40	1060-1700M, ≥40	chip	10.8*7.7*4.2
external structure					
	TOLERANCE:±0.30 UNIT:mm				

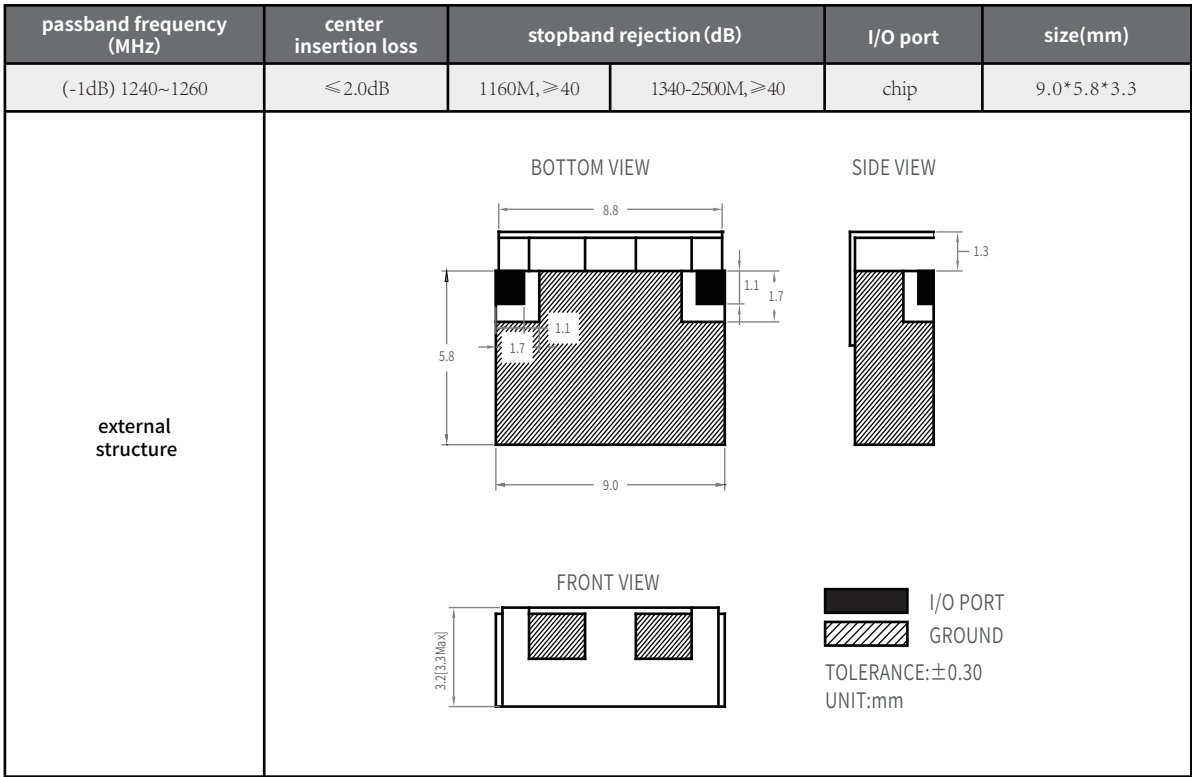
► RBY1192-52-P6FC



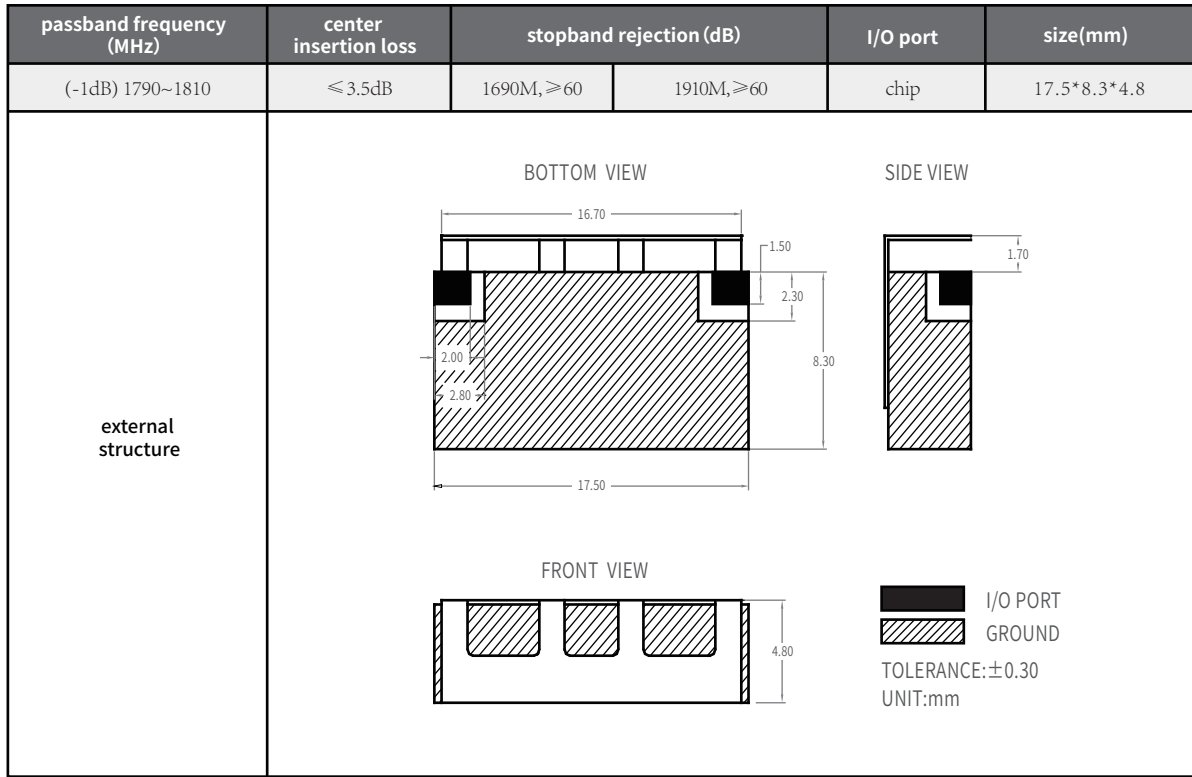
► RBY1460-80-P6GC



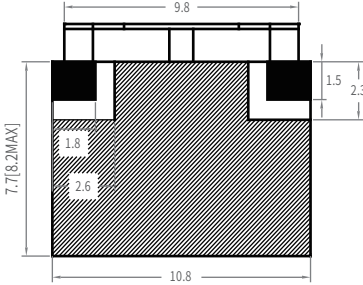
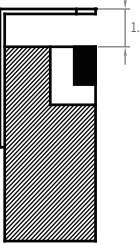
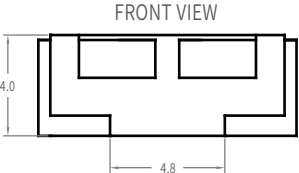
► RBY1250-20-P4DC



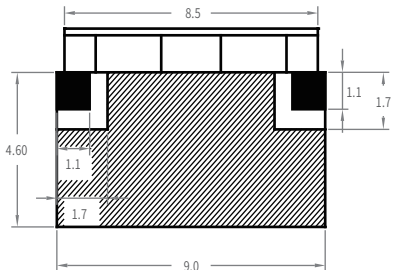
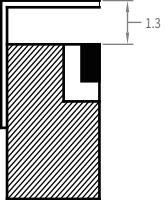
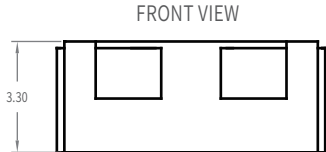
► RBY1800-20-P6GC



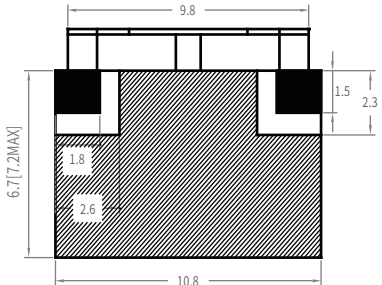
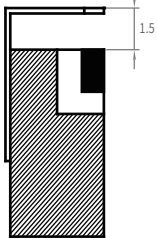
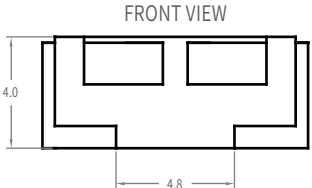
► RBY1995-30-P4FC

passband frequency (MHz)	center insertion loss	stopband rejection (dB)		I/O port	size(mm)
(-1dB) 1970~2010	≤1.2dB	1700M, ≥30	2170-3000M, ≥30	chip	10.8*8.2*4.0
external structure	BOTTOM VIEW  SIDE VIEW  FRONT VIEW  I/O PORT GROUND TOLERANCE: ±0.30 UNIT:mm				

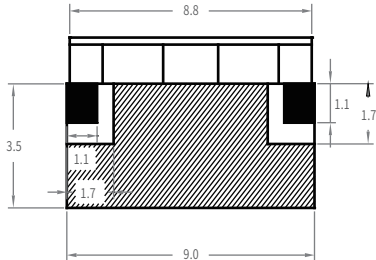
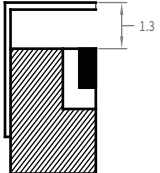
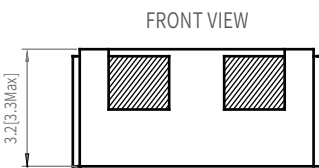
► RBY3200-30-P4DC

passband frequency (MHz)	center insertion loss	stopband rejection (dB)		I/O port	size(mm)
(-1dB) 3185~3215	≤3.5dB	3100M, ≥45	3300-4800M, ≥45	chip	9.0*4.6*3.3
external structure	BOTTOM VIEW  SIDE VIEW  FRONT VIEW  I/O PORT GROUND TOLERANCE: ±0.30 UNIT:mm				

► RBY2250-100-P4FC

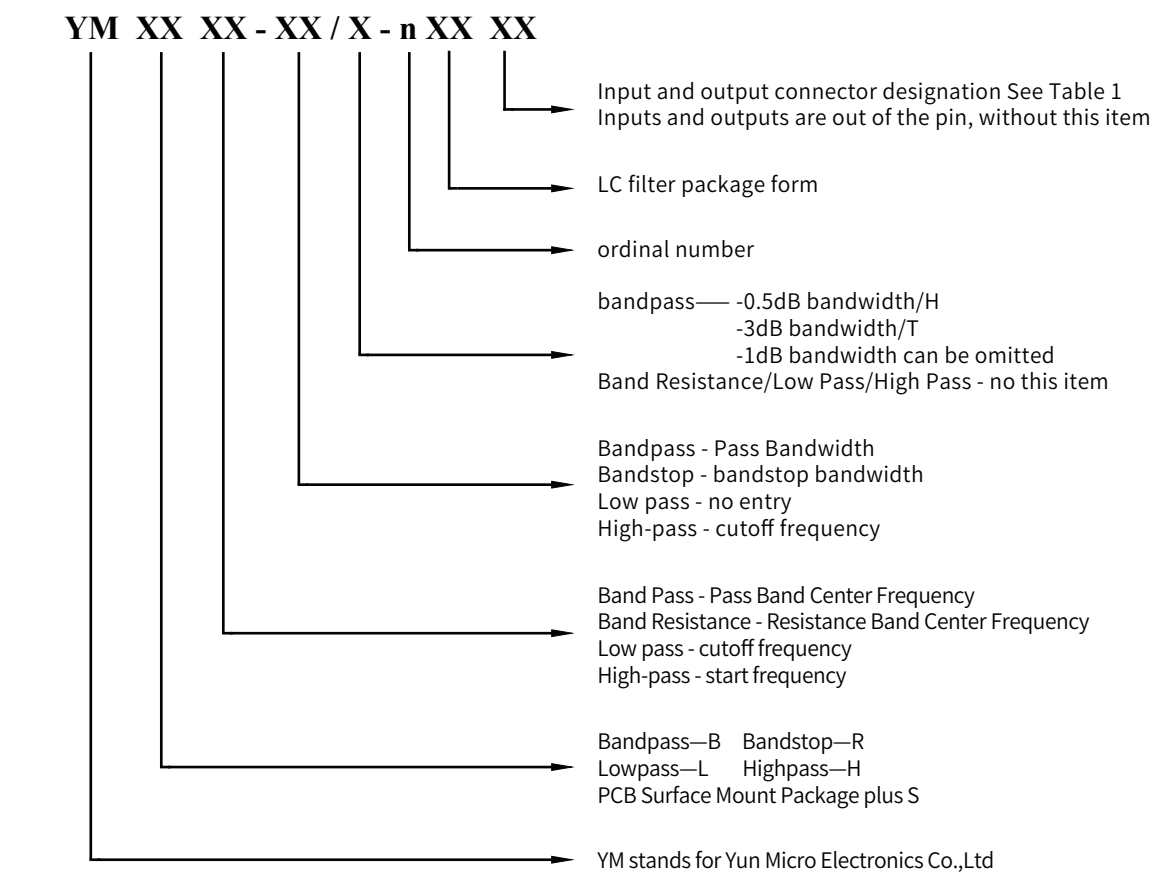
passband frequency (MHz)	center insertion loss	stopband rejection (dB)		I/O port	size(mm)
(-1dB) 2200~2300	≤1.2dB	2120M, ≥22	3000-4200M, ≥30	chip	10.8*7.2*4.0
external structure	BOTTOM VIEW  SIDE VIEW  FRONT VIEW  I/O PORT GROUND TOLERANCE: ±0.30 UNIT:mm				

► RBY4125-25-P4DC

passband frequency (MHz)	center insertion loss	stopband rejection (dB)		I/O port	size(mm)
(-1dB) 4112.5~4137.5	≤3.0dB	3965M, ≥40	4285M, ≥40	chip	9.0*3.5*3.3
external structure	BOTTOM VIEW  SIDE VIEW  FRONT VIEW  I/O PORT GROUND TOLERANCE: ±0.30 UNIT:mm				

Part 2 LC Filter (frequency range 0.5-18000MHz)

LC Filter Nomenclature



When the filter appears the same center frequency, the same bandwidth, the same order, the same structure, only the index is different, in order not to cause confusion, the model number in the center frequency after the addition of A, B, C and other letters to show the difference.

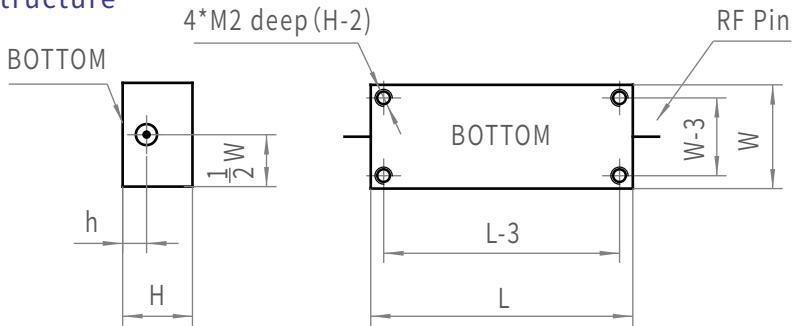
Table 1 Joint designators:

code name	import	export
S	SMA-K	SMA-K
	SMA-J	SMA-K
SJ	SMA-K	SMA-J
	SMA-J	SMA-J
SD	SMA-J	SMA-J
N	N-K	N-K
	N-J	N-K
NJ	N-K	N-J
	N-J	N-J
ND	N-J	N-J

Typical LC Filter Pack

Axial pin-out package

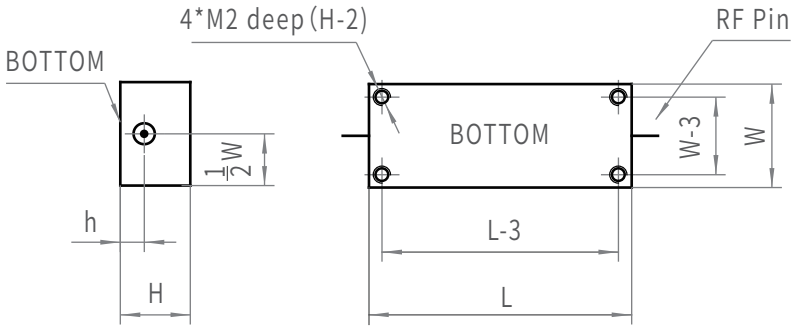
R□□C Series Structure



Package Code		L (±0.1mm)	W (±0.1mm)	H (±0.1mm)	h(±0.1mm)
R□BC	R2BC	22	16	7	2.75
	R3BC	30	16	7	2.75
	R4BC	38	16	7	2.75
	R5BC	46	16	7	2.75
R□CC	R2BC	22	12	7	2.75
	R3BC	30	12	7	2.75
	R4BC	38	12	7	2.75
	R5BC	46	12	7	2.75

Note: Default RF Pin is Φ0.8 pin; if H, h, RFpin change, add F after package code to distinguish.

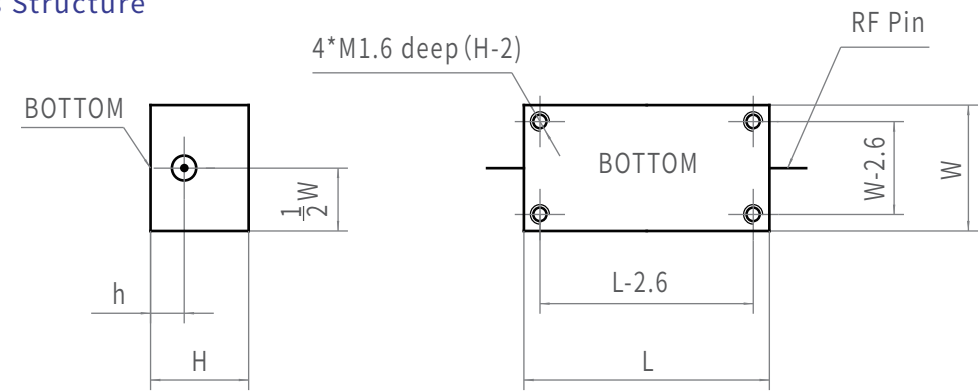
D-Series Structure



Package Code		L (±0.1mm)	W (±0.1mm)	H (±0.1mm)	h(±0.1mm)
DH		20	12	8	2.75
D1		25	12	8	2.75
D2		30	12	8	2.75
D3		45	12	8	2.75

Note: Default RF Pin is Φ0.8 pin; if H, h, RFpin change, add F after package code to distinguish.

● Q Series Structure

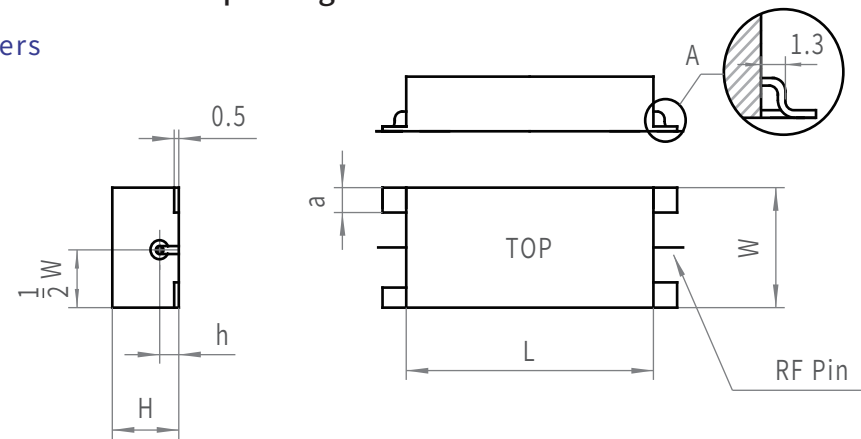


Package Code	L (±0.1mm)	W (±0.1mm)	H (±0.1mm)	h (±0.1mm)
QH	20	10	8	2.75
Q1	25	10	8	2.75
Q2	30	10	8	2.75
Q3	45	10	8	2.75

Note: Default RF Pin is Φ0.8 pin; if H, h, RFpin change, add F after package code to distinguish.

► Metalized surface mount package

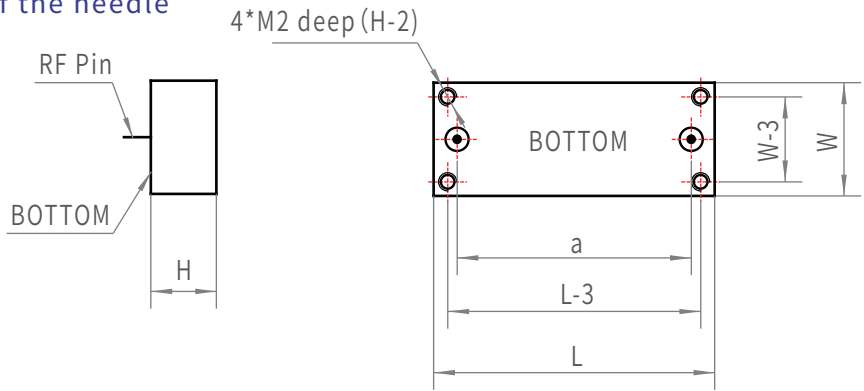
● Needle Benders



Package Code	L (±0.1mm)	W (±0.1mm)	H (±0.1mm)	h (±0.1mm)	a (±0.1mm)
S31	18	12	6	2	2
S32	22	12	6	2	2
S33	25	12	6	2	2
S34	28	12	6	2	2.5
S41	22	12	7	2	2
S42	26	12	7	2	2.5
S43	30	12	7	2	2.5

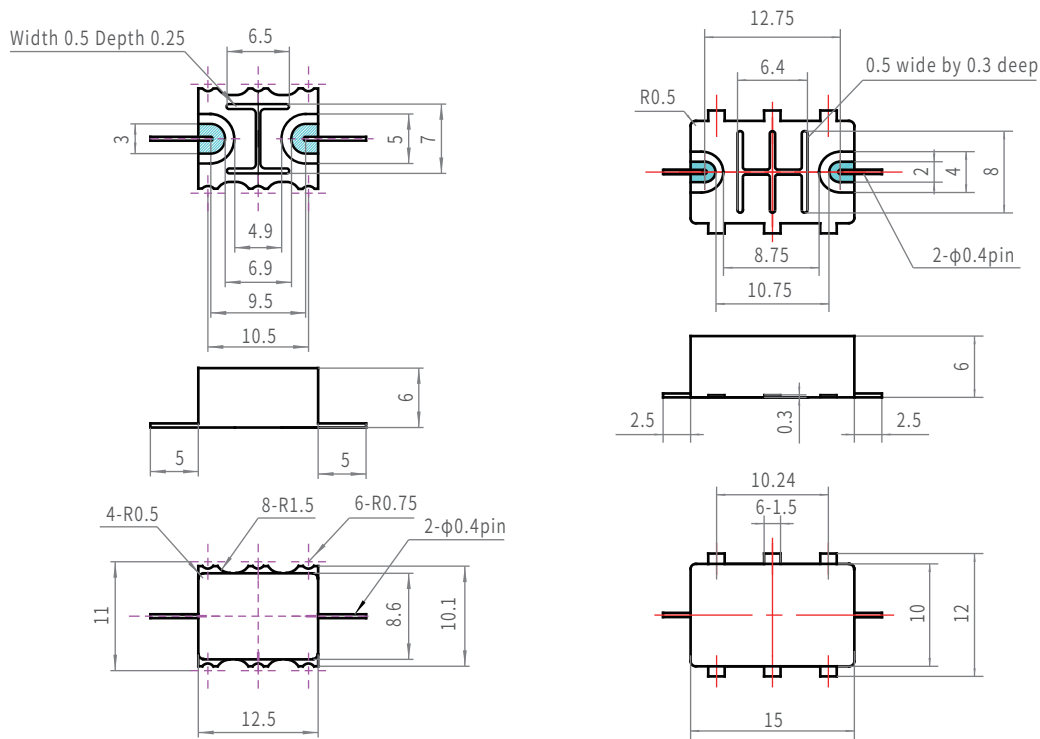
Note: Default RF Pin is Φ0.5 pin; if H, h, RFpin change, add F after package code to distinguish.

● Bottom out of the needle



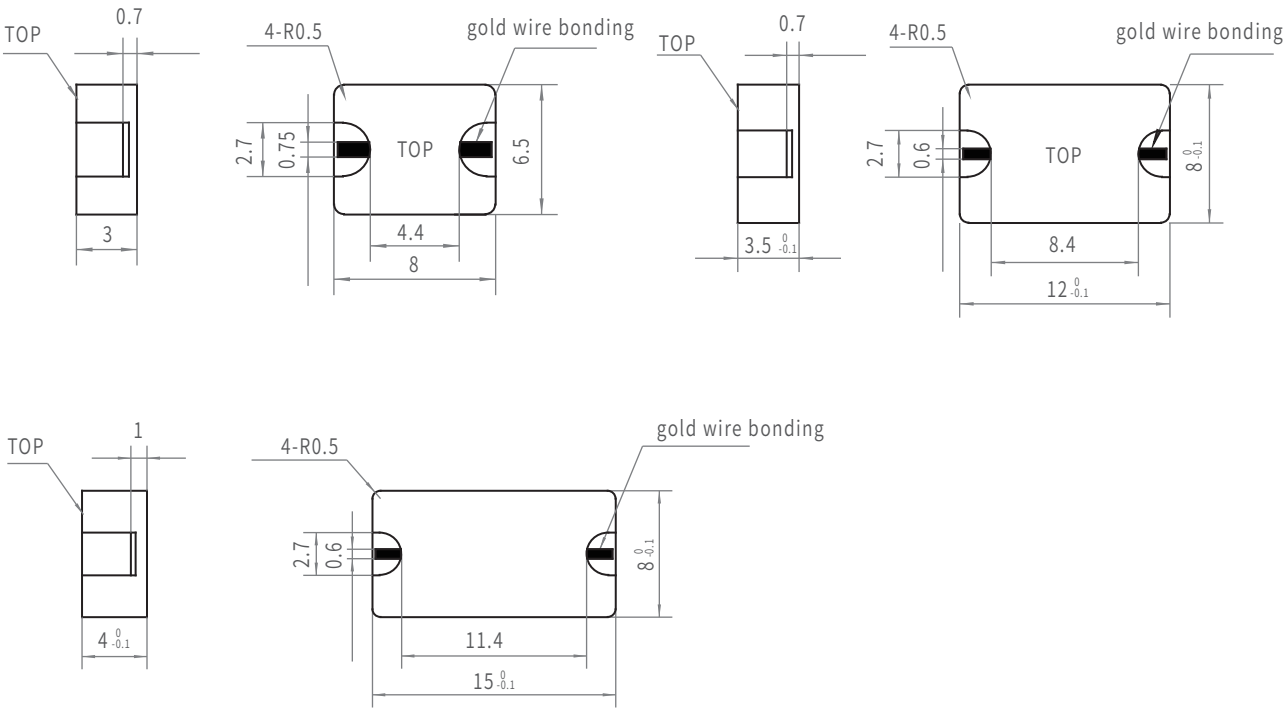
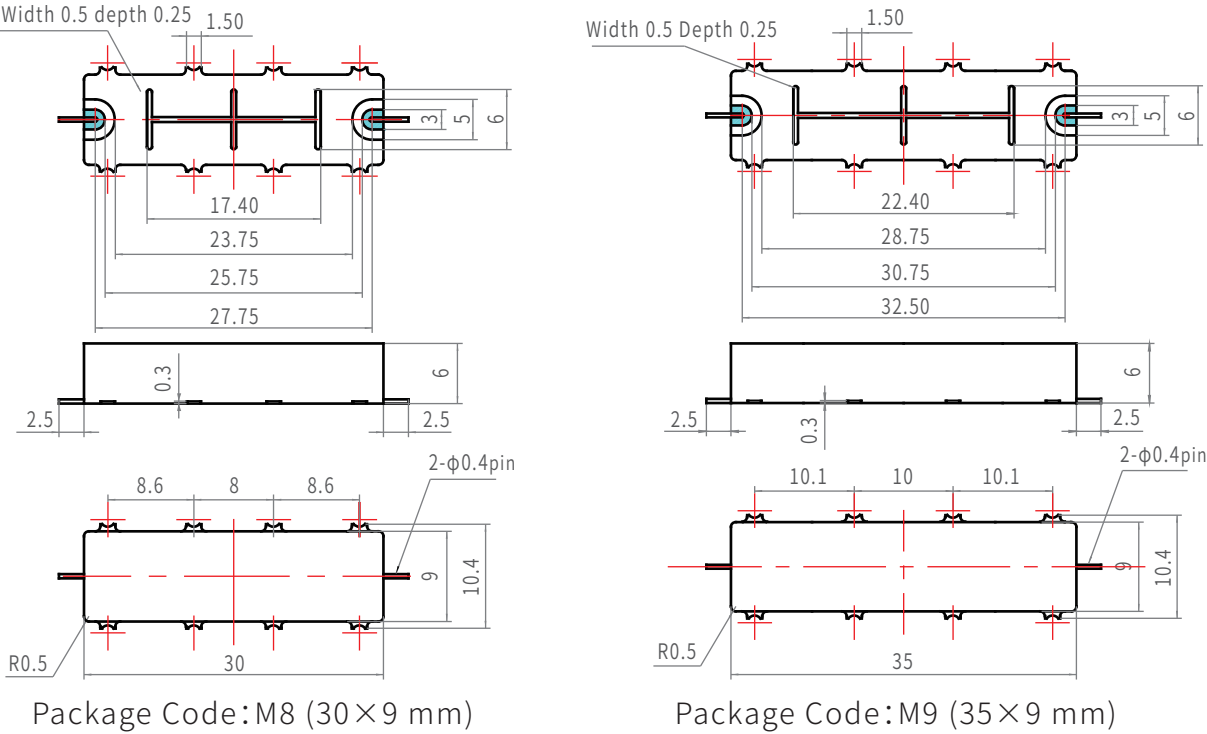
Package Form		L (±0.1mm)	W (±0.1mm)	H (±0.1mm)	a(±0.1mm)
R3	R3BP	30	16	7	25
	R3CP	30	12	7	25
R4	R4BP	38	16	7	33
	R4CP	38	12	7	33
R5	R5BP	46	16	7	41
	R5CP	46	12	7	41
P1A		30	12	10	25
P1B		40.4	12	10	35.4

● Integrated glass sintering

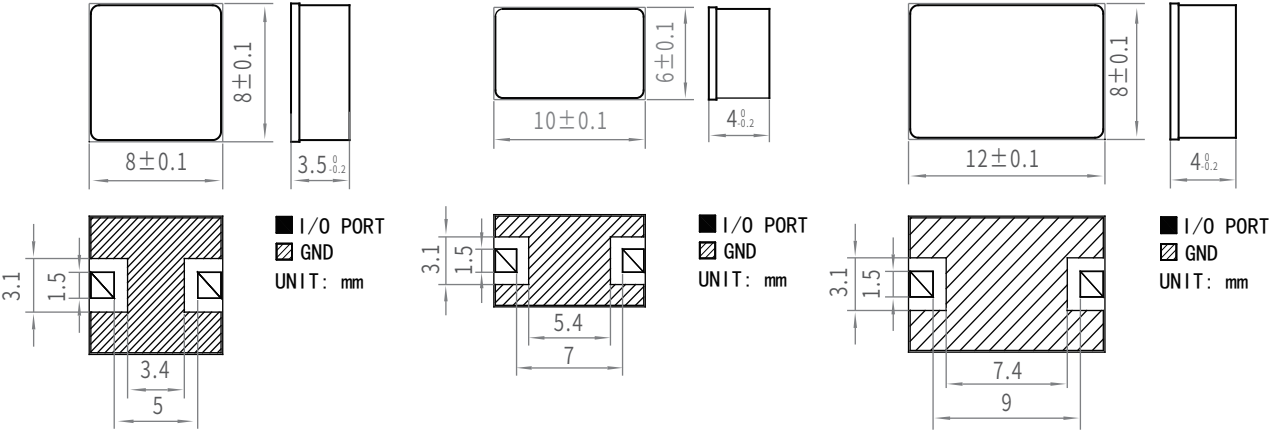


Package Code:M1 (12.5×8.6 mm)

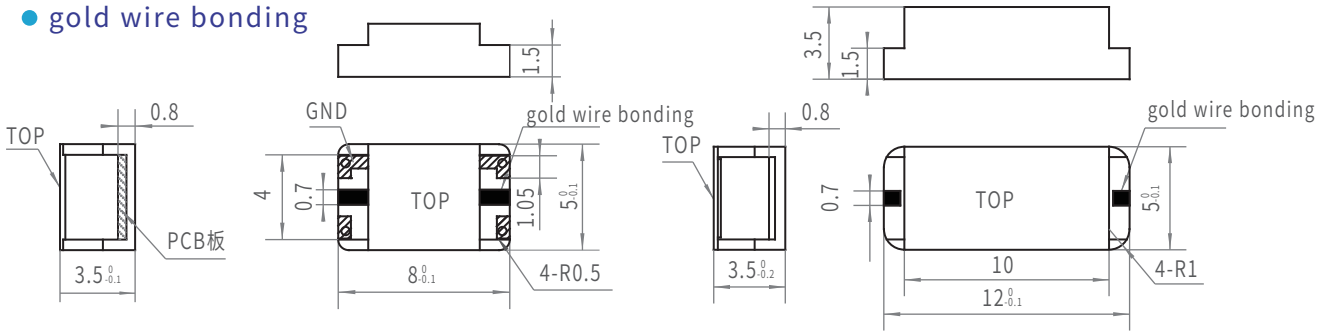
Package Code:M3 (15×10 mm)



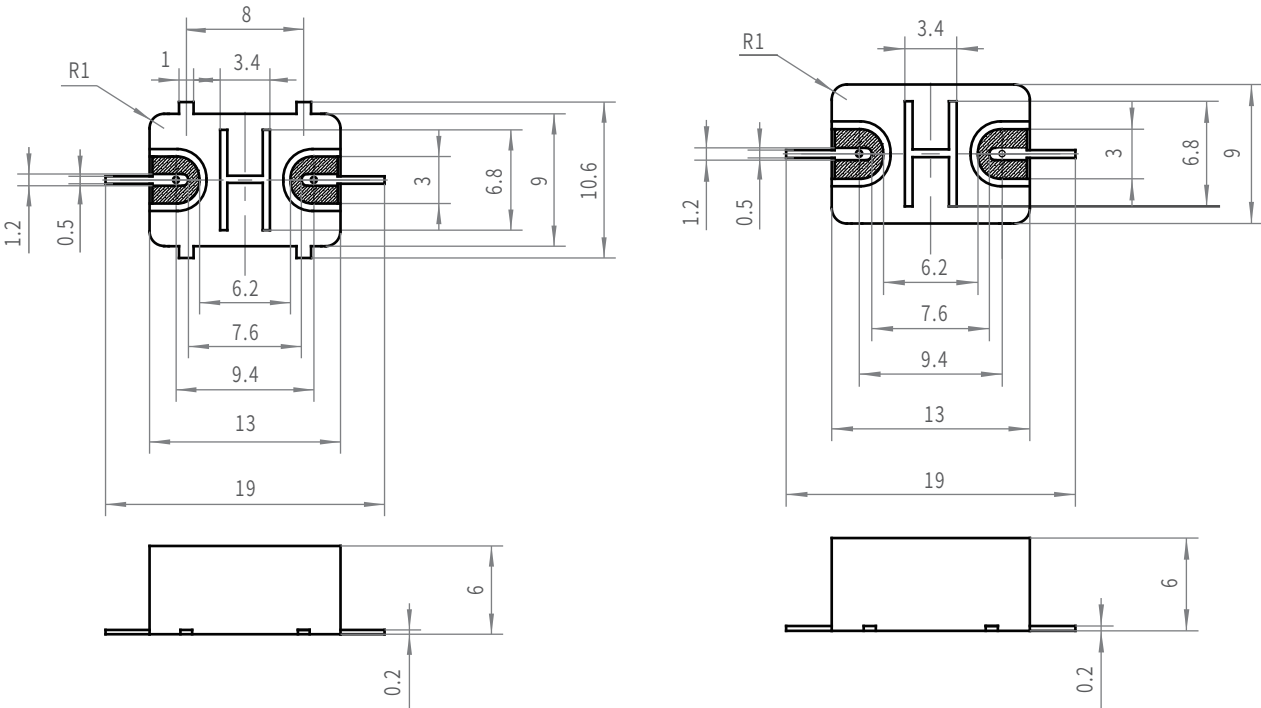
● surface mount



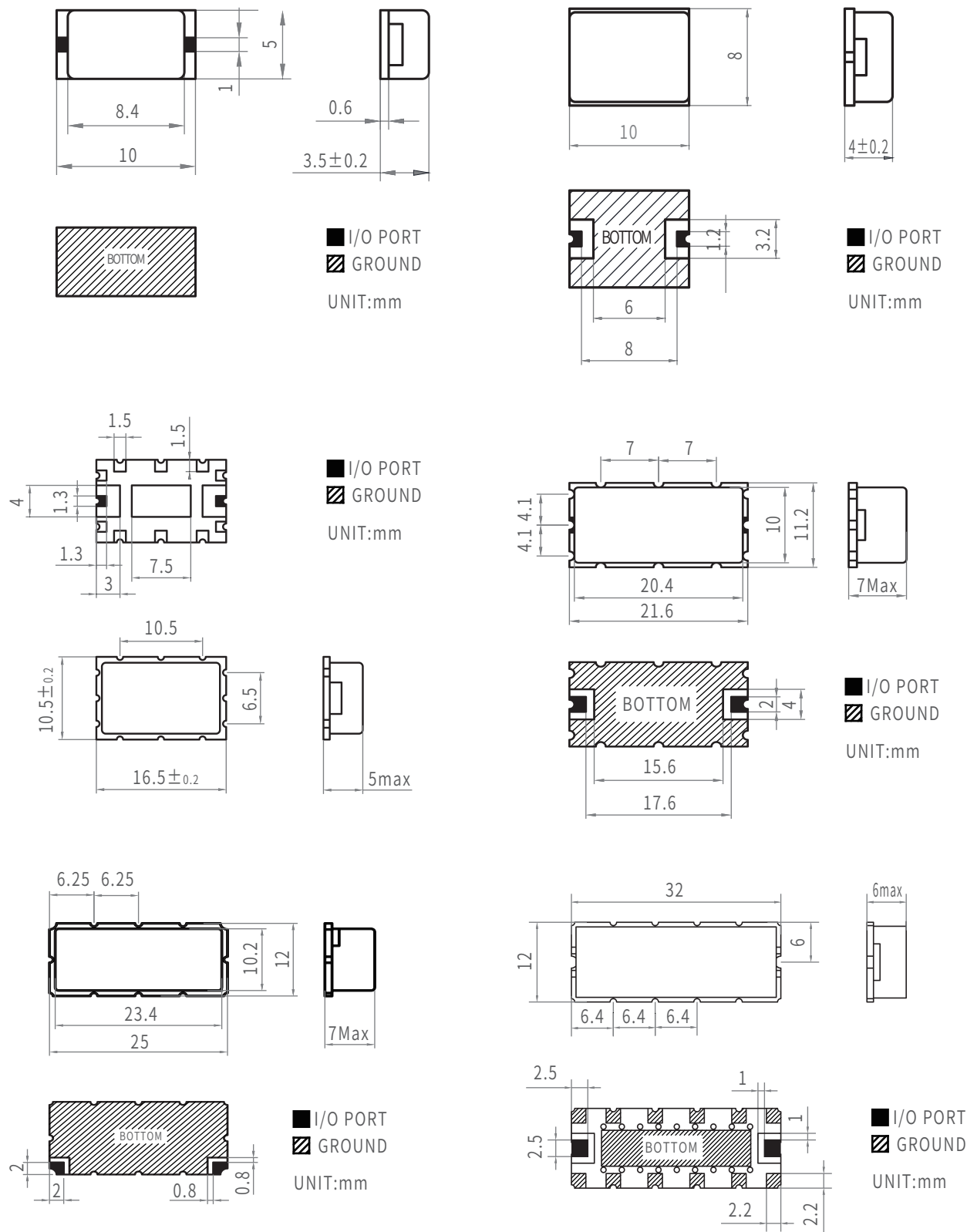
● gold wire bonding



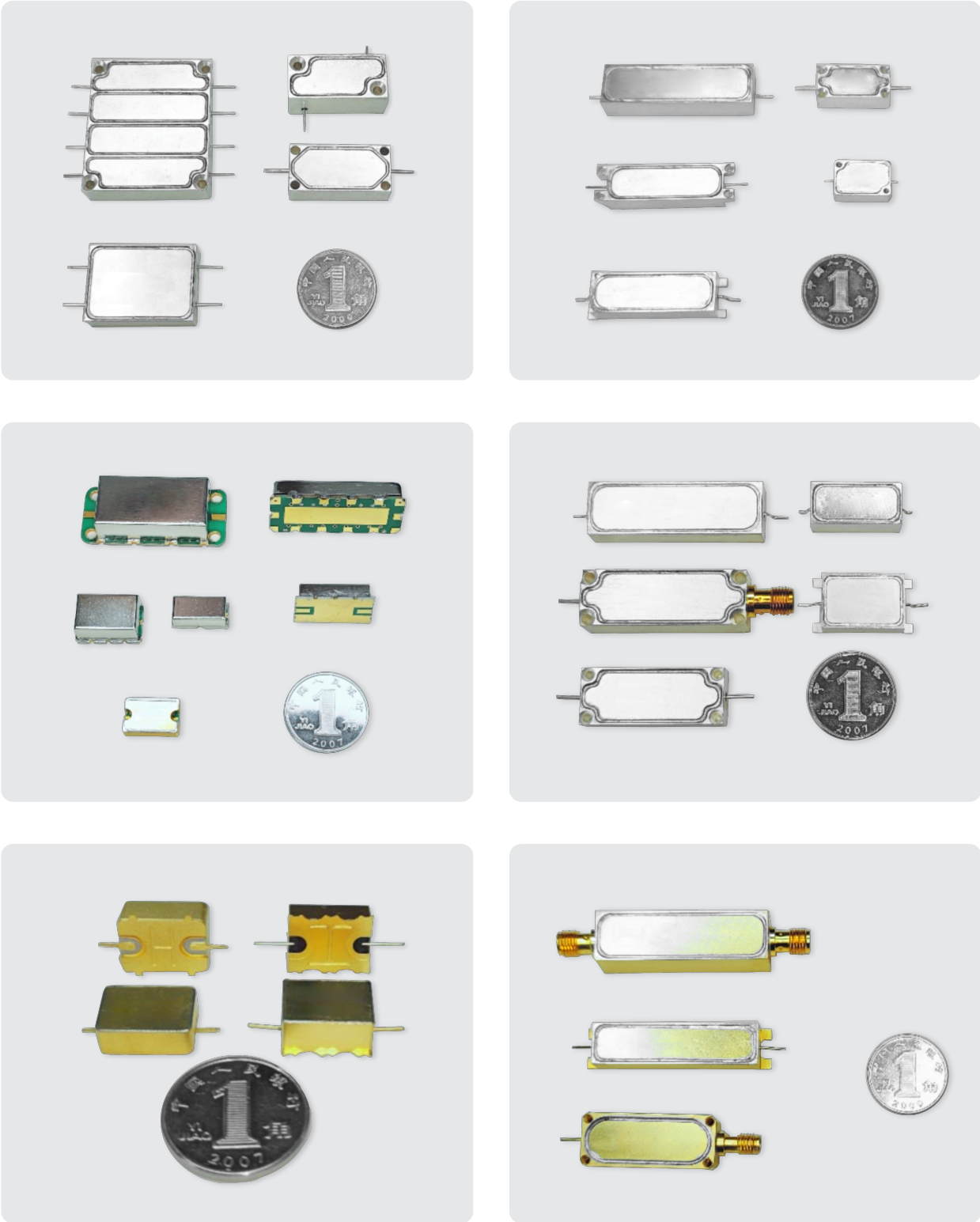
● Integrated ceramic sintering



► PCB Surface Mount Package (part)



LC Filter Part of the Product Display



LC Filters Partial Catalog (in ascending order of center frequency)

► Bandpass filters

Product Model	Passband frequency (MHz)	center insertion loss (dB)	Bandwidth reduction (dB)		I/O port	Structural dimensions (mm)
YMB1-0.1-5C1CS	(-1dB) 0.95~1.05	2	0.7M, ≥50	2M, ≥90	SMA-K	40.4*19*10
YMB5-0.4-6C1BS	(-1dB) 4.8~5.2	5.5	4M, ≥50	6M, ≥50	SMA-K	40.4*12*10
YMB10-2-8R4CCS	(-1dB) 9~11	4	6M, ≥60	14M, ≥60	SMA-K	38*12*7
YMB15-1.5-5C1BS	(-1dB) 14.2~15.8	2	10.5M, ≥50	30M, ≥90	SMA-K	40.4*12*10
YMB20-2-4DHF	(-1dB) 19~21	3	10M, ≥65	30M, ≥65	0.8 Pin	20*12*7
YMB26-3-6C1AS	(-1dB) 24.5~27.5	4	20M, ≥50	32M, ≥50	SMA-K	30*12*10
YMB30-10/T-8R4CC	(-3dB) 25~35	2.5	22M, ≥40	38M, ≥40	0.8 Pin	38*12*7
YMB40-5-6C1AS	(-1dB) 37.5~42.5	3.5	20M, ≥80	60M, ≥80	SMA-K	30*12*10
YMB50-4-4D1	(-1dB) 48~52	2.5	40M, ≥40	60M, ≥40	0.8 Pin	25*12*8
YMB57-30-6D1F	(-1dB) 42~72	1.5	30M, ≥40	84-500M, ≥40	0.5 Pin	25*12*7
YMB60-20-8C1B	(-1dB) 50~70	2	40M, ≥65	80-100M, ≥60	0.8 Pin	40.4*12*10
YMB70-50-6M3	(-1dB) 45~95	2	10M, ≥30	124-280M, ≥50	0.4 Pin	15*10*6
YMB72-12-6D1	(-1dB) 66~78	3.5	54M, ≥60	90M, ≥60	0.8 Pin	25*12*8
YMB80-100-7C1BS	(-1dB) 30~130	1.5	10M, ≥60	200M, ≥60	SMA-K	40.4*12*10
YMB90-40-8D3	(-1dB) 70~110	1.5	50M, ≥60	130M, ≥60	0.8 Pin	35*12*8
YMB100-10-5M1	(-0.5dB) 95~105	3	70M, ≥45	130M, ≥45	0.4 Pin	12.5*8.6*6
YMB120-20-4QHF	(-1dB) 110~130	2	90M, ≥30	150M, ≥30	0.8 Pin	20*10*7
YMB125-12/H-4DHF	(-0.5dB) 119~131	3	75M, ≥65	175M, ≥65	0.5 Pin	20*12*7
YMB125-50-6C	(-1dB) 100~150	1.5	50M, ≥50	200M, ≥50	0.5 Pin	30*9.5*6
YMB130-20-5C	(-1dB) 120~140	2	100M, ≥50	200M, ≥50	0.5 Pin	20*9.5*7
YMB140-10-5D3	(-1dB) 135~145	2	100M, ≥40	180-2000M, ≥40	0.8 Pin	35*12*8
YMB140-60/T-6C	(-3dB) 110~170	1.5	40M, ≥60	300-1500M, ≥60	0.5 Pin	20*9.5*6
YMB140-80-6DHF	(-1dB) 100~180	2	60M, ≥40	250-1500M, ≥45	0.8 Pin	20*12*7
YMB150-8-5R3CCS	(-1dB) 146~154	3.5	100M, ≥70	200M, ≥70	SMA-K	30*12*7
YMB150-30-6QHF	(-1dB) 135~165	1.5	85M, ≥50	215M, ≥50	0.4 Pin	25*12*7
YMB150-100-5QHF	(-3dB) 100~200	1	50M, ≥30	250M, ≥30	0.8 Pin	20*10*7
YMB155-38-7D3	(-1dB) 136~174	2	120M, ≥35	190M, ≥35	0.8 Pin	35*12*8
YMB160-4-6D1F	(-1dB) 158~162	9.5	150M, ≥60	170M, ≥60	0.8 Pin	25*12*7
YMB164-20-7D3	(-1dB) 154~174	3	139M, ≥40	189M, ≥40	0.8 Pin	35*12*8
YMB170-17-7C1AS	(-1dB) 161.5~178.5	4.5	129.2M, ≥80	214.2M, ≥80	SMA-K	30*12*10
YMB175-22-6M3F	(-1dB) 164~186	5	135M, ≥60	215-400M, ≥60	0.4 Pin	15*10*5
YMB180-20-7D3	(-1dB) 170~190	4	70M, ≥60	290M, ≥60	0.8 Pin	35*12*8
YMB180-100/H-6QH	(-0.5dB) 130~230	1.2	50M, ≥50	310M, ≥50	0.8 Pin	20*10*8
YMB185-85-7C1B	(-1dB) 142.5~227.5	1.2	125M, ≥40	250M, ≥40	0.8 Pin	40.4*12*10

Product Model	Passband frequency (MHz)	center insertion loss (dB)	Bandwidth reduction (dB)		I/O port	Structural dimensions (mm)
YMB200-20-7C1AS	(-1dB) 190~210	4.5	152M, ≥80	252M, ≥80	SMA-K	30*12*10
YMB200-100-6R3CCS	(-1dB) 150~250	1.5	50M, ≥60	350M, ≥60	SMA-K	30*12*7
YMB212A-30-5QHF	(-0.5dB) 197~227	2	152M, ≥50	272M, ≥50	0.5 Pin	25*10*7
YMB230-60-6D2F	(-1dB) 200~260	1.2	107M, ≥40	350-2000M, ≥50	0.8 Pin	30*12*8
YMB230-100-8C1B	(-0.8dB) 180~280	2	130M, ≥70	360M, ≥70	0.8 Pin	40.4*12*10
YMB240-20-5C	(-1dB) 230~250	3	120M, ≥75	480M, ≥75	0.8 Pin	22*10*8
YMB240-45-6M5	(-3dB) 220~260	2	120M, ≥70	360M, ≥70	0.4 Pin	20*9*6
YMB240-100-6D1F	(-0.5dB) 235~245	1.5	140M, ≥40	340-1000M, ≥40	0.5 Pin	25*12*8
YMB250-12-7D1	(-1dB) 244~256	5	216M, ≥65	284M, ≥65	0.8 Pin	25*12*8
YMB250-25-7C1AS	(-1dB) 237~263	4.5	190M, ≥80	315M, ≥80	SMA-K	30*12*10
YMB250-40-7D2F	(-1dB) 230~270	2	210M, ≥60	290M, ≥60	0.8 Pin	30*12*7
YMB250-100/H-5DHF	(-0.5dB) 200~300	2	100M, ≥40	400-600M, ≥40	0.8 Pin	20*12*7
YMB260-8-5R3CCF	(-1dB) 256~264	4.5	240M, ≥35	280M, ≥35	0.5 Pin	20*12*7
YMB270-15/H-4M3	(-0.5dB) 262~278	2.8	210M, ≥40	330M, ≥40	0.4 Pin	15*10*6
YMB270-60-6R3CCS	(-1dB) 240~300	2.5	170M, ≥50	370M, ≥50	SMA-K	30*12*7
YMB270-100/T-5D1	(-3dB) 220~320	3	170M, ≥30	370M, ≥30	0.8 Pin	25*12*8
YMB275-150-7D3F	(-1dB) 200~350	1	107M, ≥40	400M, ≥50	0.8 Pin	35*12*8
YMB280-10-5Q1F	(-0.4dB) 275~285	2.5	230M, ≥40	350-1500M, ≥40	0.5 Pin	25*10*7
YMB280-30-6M5	(-1dB) 265~295	3	175M, ≥70	385-435M, ≥70	0.4 Pin	20*9*6
YMB280-100-5Q1F	(-0.4dB) 230~330	2	150M, ≥40	450-1500M, ≥40	0.5 Pin	25*10*7
YMB300-12-6C1BS	(-1dB) 294~306	4	255M, ≥65	345M, ≥65	SMA-K	40.4*12*10
YMB300-40-6C	(-1dB) 280~320	2	200M, ≥60	400-2000M, ≥60	0.5 Pin	30*12*8
YMB300-100/T-8R4CC	(-3dB) 250~350	2	225M, ≥40	375M, ≥40	0.8 Pin	38*12*7
YMB300-150-5M1	(-1dB) 225~375	1	150M, ≥40	450M, ≥40	0.4 Pin	12.5*8.6*6
YMB320-10-5R3C	(-0.5dB) 315~325	4	240M, ≥50	400M, ≥50	0.8 Pin	29*12*7
YMB340-34-7C1AS	(-1dB) 323~357	4	258.4M, ≥80	428.4M, ≥80	SMA-K	30*12*10
YMB350-20-8D3	(-1dB) 340~360	2.8	280M, ≥45	420M, ≥45	0.8 Pin	35*12*8
YMB350-50-7C	(-1dB) 325~375	2	300M, ≥50	400M, ≥50	0.5 Pin	35*12*8
YMB350-100-6C	(-1dB) 300~400	1.2	225M, ≥35	475-2000M, ≥35	0.5 Pin	20*7.5*6
YMB350-200-7Q2	(-1dB) 250~450	2	150M, ≥50	500-2000M, ≥50	0.8 Pin	30*10*8
YMB350-300-6R3CC	(-0.8dB) 200~500	1	125M, ≥50	575M, ≥50	0.8 Pin	30*12*7
YMB360-20-6C	(-1dB) 350~370	3.5	315M, ≥50	405-1500M, ≥45	0.5 Pin	25*12*7
YMB360-40-6C	(-1dB) 340~380	2	260M, ≥60	460-2000M, ≥60	0.5 Pin	30*12*8
YMB365-70-6D2F	(-1dB) 330~400	1.6	250M, ≥40	660-2000M, ≥50	0.8 Pin	30*12*8
YMB370-20-5S	(-0.5dB) 360~380	3	320M, ≥40	420M, ≥30	0.5 Pin	25*10*6
YMB370-300-7D2S	(-1dB) 220~520	1	70M, ≥40	670M, ≥40	SMA-K	30*12*8
YMB375-200-8D3S	(-1dB) 275~475	1.6	225M, ≥50	525M, ≥80	SMA-K	35*12*8

Product Model	Passband frequency (MHz)	center insertion loss (dB)	Bandwidth reduction (dB)		I/O port	Structural dimensions (mm)
YMB387.5-25-7C	(-1dB) 375~400	4	355M, ≥40	420-3000M, ≥40	0.5 Pin	25*8.5*7
YMB390-20-7D3F	(-0.5dB) 380~400	3.5	350M, ≥70	440M, ≥70	0.8 Pin	35*12*7
YMB400-10-5C1AS	(-1dB) 395~405	6	350M, ≥60	450M, ≥60	SMA-K	30*12*10
YMB400-40-7C1AS	(-1dB) 380~420	4	304M, ≥80	504M, ≥80	SMA-K	30*12*10
YMB400-60/H-4DHF	(-0.5dB) 370~430	2	200M, ≥40	700-900M, ≥40	0.8 Pin	20*12*7
YMB400-100-6R3CCS	(-1dB) 350~450	1.5	250M, ≥60	550M, ≥60	SMA-K	30*12*7
YMB400-200-5C	(-0.5dB) 300~500	1.5	100M, ≥50	700-2000M, ≥50	0.8 Pin	20*10*6
YMB410-60-6D2F	(-1dB) 380~440	1.8	300M, ≥40	760-2000M, ≥50	0.8 Pin	30*12*8
YMB415-170-7D3F	(-1dB) 330~500	1	250M, ≥50	660M, ≥50	0.8 Pin	35*12*8
YMB420-60-6QHF	(-1dB) 390~450	3	360M, ≥40	480M, ≥40	0.5 Pin	25*12*6
YMB425-50-7C1AS	(-1dB) 400~450	3	350M, ≥55	500-2000M, ≥55	SMA-K	30*12*10
YMB430-120-5D2	(-0.3dB) 370~490	1.5	300M, ≥50	600M, ≥50	0.8 Pin	30*12*8
YMB435-70-5D1	(-1dB) 400~470	2.5	320M, ≥40	550M, ≥40	0.8 Pin	25*12*8
YMB440-180-7D3S	(-1dB) 350~530	1	200M, ≥40	750M, ≥40	SMA-K	35*12*8
YMB450-40-7R3CCS	(-1dB) 430~470	3	400M, ≥50	500M, ≥50	SMA-K	30*12*7
YMB450-100-6D1F	(-0.5dB) 400~500	1	250M, ≥40	650M, ≥40	0.8 Pin	25*12*7
YMB460-10-7R3CC	(-1dB) 455~465	8	425M, ≥65	495M, ≥65	0.8 Pin	30*12*7
YMB460-40-5D3S	(-1dB) 440~480	2	380M, ≥40	540M, ≥40	SMA-K	35*12*8
YMB460-80-7D2F	(-1dB) 420~500	2	360M, ≥40	580M, ≥40	0.8 Pin	30*12*8
YMB475-50-7C	(-1dB) 450~500	4.5	350M, ≥40	550-4000M, ≥40	0.8 Pin	30*8*12
YMB480-40-5C	(-1dB) 460~500	3	240M, ≥75	960M, ≥75	0.8 Pin	22*10*8
YMB487.5-25-7C	(-1dB) 475~500	4	450M, ≥40	525-3000M, ≥40	0.5 Pin	25*8.5*7
YMB500-16-5D1	(-0.4dB) 492~508	3.5	440M, ≥40	572-588M, ≥50	0.8 Pin	25*12*8
YMB500-30-5R3CC	(-1dB) 485~515	3	400M, ≥50	600M, ≥50	0.8 Pin	30*12*7
YMB500-100-5QHF	(-1dB) 450~550	2	350M, ≥30	650M, ≥30	0.8 Pin	25*12*7
YMB500-200-6D2F	(-1dB) 400~600	1.5	200M, ≥35	800M, ≥35	0.5 Pin	30*12*8
YMB520-15-8C1BS	(-1dB) 512.5~527.5	7.5	480M, ≥80	560M, ≥80	SMA-K	40.4*12*10
YMB525-260-7R3CCF	(-1dB) 395~655	2	330M, ≥40	700-2000M, ≥40	0.5 Pin	30*12*7
YMB542-40-7C	(-1.3dB) 522~562	3.5	500M, ≥45	584M, ≥45	0.8 Pin	35*12*8
YMB560-20-5C1AS	(-1dB) 550~570	4	460M, ≥40	660M, ≥40	SMA-K	30*12*10
YMB570B-20-6C	(-1dB) 560~580	5	540M, ≥47	600M, ≥47	0.5 Pin	20*9.5*7
YMB570A-300-6C	(-1dB) 420~720	0.8	270M, ≥50	870M, ≥50	0.5 Pin	20*9.5*7
YMB580-140/H-6C	(-0.5dB) 510~650	1	440M, ≥40	720M, ≥40	0.8 Pin	20*9.5*6
YMB585-30/U-6C	(-1dB) 570~600	3	350M, ≥60	705-3000M, ≥60	0.5 Pin	25*8.5*7
YMB590-420-7D2F	(-1dB) 380~800	0.8	280M, ≥50	900-2000M, ≥50	0.8 Pin	30*12*8
YMB600-20-6R4CF	(-1dB) 590~610	5	500M, ≥80	700M, ≥80	0.5 Pin	37*12*7
YMB600-50-4C1A	(-0.4dB) 575~625	1	500M, ≥30	700M, ≥30	0.8 Pin	30*12*10

Product Model	Passband frequency (MHz)	center insertion loss (dB)	Bandwidth reduction (dB)		I/O port	Structural dimensions (mm)
YMB600-100-6R3CCS	(-1dB) 550~650	2	430M, ≥60	770M, ≥60	SMA-K	30*12*7
YMB600-200/T-8R4CC	(-3dB) 500~700	2	450M, ≥40	750M, ≥40	0.8 Pin	38*12*7
YMB620-10-4R3CCF	(-1dB) 615~625	3.5	440M, ≥70	800M, ≥80	0.5 Pin	30*12*7
YMB630-300-8C1B	(-0.8dB) 480~780	2	380M, ≥60	960M, ≥60	0.8 Pin	40.4*12*10
YMB645-30-5QHF	(-1dB) 630~660	2	565M, ≥30	725M, ≥30	0.8 Pin	20*10*7
YMB650-100-6D1F	(-1dB) 600~700	3	500M, ≥60	800-4000M, ≥60	0.8 Pin	25*12*7
YMB650-300-6D2F	(-1dB) 500~800	1.5	300M, ≥35	1000M, ≥35	0.5 Pin	30*12*8
YMB680-80-8R4CCS	(-1dB) 640~720	3.5	440M, ≥80	750-1440M, ≥35	SMA-K	38*12*7
YMB690-300-6QHF	(-1dB) 540~840	1.5	450M, ≥50	1400M, ≥50	0.8 Pin	20*10*7
YMB700-30/U-7C	(-1dB) 685~715	4	600M, ≥65	800M, ≥80	0.8 Pin	26*12*6
YMB700-200-5EW	(-1dB) 600~800	1	475M, ≥45	925M, ≥45	0.5 Pin	20*9.5*6
YMB720-12-3DH	(-0.2dB) 714~726	2	460M, ≥40	980M, ≥40	0.8 Pin	20*12*7
YMB720-25/H-7C	(-0.5dB) 707~733	4.5	650M, ≥60	790-3500M, ≥60	0.8 Pin	38*12*7
YMB720-60-5D2	(-1dB) 690~750	2.5	500M, ≥50	930-3000M, ≥55	0.8 Pin	30*12*8
YMB720-100-6M5	(-0.8dB) 670~770	2.5	420M, ≥60	1020M, ≥60	0.4 Pin	20*9*6
YMB720-200-6S	(-1dB) 620~820	2	520M, ≥40	920M, ≥40	0.5 Pin	20*10*7
YMB720-375/T-6DH	(-3dB) 532~908	1	482M, ≥30	958-2000M, ≥30	0.8 Pin	20*12*8
YMB725-250-5M1	(-0.6dB) 600~850	1	400M, ≥30	960-1600M, ≥30	0.4 Pin	12.5*8.6*6
YMB740-74-7C1AS	(-1dB) 703~777	4	562.4M, ≥80	932.4M, ≥80	SMA-K	30*12*10
YMB750-20-5D1S	(-1dB) 740~760	5	450M, ≥55	1050-2000M, ≥55	SMA-K	25*12*8
YMB750-50-6Q2F	(-1dB) 725~775	2.8	650M, ≥55	850-3000M, ≥55	0.5 Pin	30*10*7
YMB750-100-6D1F	(-1dB) 700~800	3	600M, ≥60	900-4000M, ≥60	0.8 Pin	25*12*7
YMB750-200-7Q2	(-1dB) 650~850	2	570M, ≥60	950-2000M, ≥60	0.8 Pin	30*10*8
YMB750-320/H-6C	(-0.5dB) 590~910	1	410M, ≥50	1090-6000M, ≥50	0.4 Pin	25*8.5*6
YMB780-60-6C	(-0.3dB) 750~810	2.5	650M, ≥70	4420M, ≥20	0.8 Pin	22*10*6
YMB800-44-6C	(-1dB) 778~822	4	680M, ≥50	920M, ≥50	0.5 Pin	25*10*7
YMB800-400/H-6D2	(-0.5dB) 600~1000	1	--	1200~2000M, ≥40	0.8 Pin	30*12*8
YMB807.5-395-7C	(-1dB) 610~1005	1.5	397.5M, ≥50	1217.5M, ≥50	0.5 Pin	30*9.6*6
YMB840-40-7D2	(-1dB) 820~860	3.5	770M, ≥45	910-6000M, ≥45	0.8 Pin	30*12*8
YMB850-20-6D1F	(-0.2dB) 840~860	3	780M, ≥50	1200-3000M, ≥65	0.8 Pin	25*12*7
YMB850-40/H-7D2F	(-0.5dB) 830~870	3	710M, ≥60	940M, ≥65	0.8 Pin	30*12*8
YMB850-100-6D1F	(-1dB) 800~900	3	700M, ≥60	1000-4000M, ≥60	0.8 Pin	25*12*7
YMB900-40-5D1F	(-0.4dB) 880~920	3.5	760M, ≥55	1040M, ≥50	0.8 Pin	25*12*7
YMB900A-100-5C	(-1.5dB) 850~950	2.5	750M, ≥55	1050M, ≥55	0.5 Pin	20*7.5*7
YMB900-200/H-5DH	(-0.5dB) 800~1000	2.5	600M, ≥40	1200-2700M, ≥40	0.8 Pin	20*12*8
YMB925-50/T-6D3	(-3dB) 900~950	4	750M, ≥80	1050M, ≥40	0.8 Pin	35*12*8
YMB950-40-7D3	(-1dB) 930~970	4.5	900M, ≥30	1000-1800M, ≥30	0.8 Pin	35*12*8

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YMB960-20/H-5C	(-0.5dB) 950~970	3	870M, ≥45	1050M, ≥45	0.8 Pin	30*9.5*9.5
YMB960-60-4QHF	(-1dB) 930~990	2	860M, ≥25	1060M, ≥25	0.8 Pin	20*10*7
YMB960-100-7M9	(-1dB) 910~1010	3	850M, ≥40	1070M, ≥40	0.4 Pin	35*9*8
YMB975-50/T-6D3	(-3dB) 950~1000	4	800M, ≥80	1100M, ≥40	0.8 Pin	35*12*8
YMB1000-40-5R3C	(-1dB) 950~970	4	800M, ≥60	1200-4000M, ≥60	0.8 Pin	29*12*7
YMB1000-60-5DH	(-0.7dB) 970~1030	3.5	900M, ≥50	1100-2000M, ≥45	0.5 Pin	20*12*7
YMB1000-100-5QH	(-1dB) 950~1050	2.8	850M, ≥30	1150M, ≥30	0.8 Pin	25*12*7
YMB1000-210-7R3CC	(-0.6dB) 900~1100	1.5	800M, ≥40	1200-3000M, ≥40	0.8 Pin	30*12*7
YMB1000-400-5EW	(-1dB) 800~1200	1	625M, ≥45	1400M, ≥45	0.5 Pin	20*9.5*6
YMB1025-50/T-6D3	(-3dB) 1000~1050	4	850M, ≥80	1150M, ≥40	0.8 Pin	35*12*8
YMB1025-550-7Q1F	(-1dB) 750~1300	2	550M, ≥50	1500-3000M, ≥50	0.8 Pin	25*10*6
YMB1030-40-5D2	(-1dB) 1010~1050	3.5	——	3400-3600M, ≥45	0.8 Pin	30*12*8
YMB1050-200-5D1S	(-1dB) 950~1150	2.2	——	1325M, ≥35	SMA-K	25*12*8
YMB1060-90-8D2F	(-1dB) 1015~1105	3	900M, ≥75	1200-3000M, ≥75	0.8 Pin	30*12*6.5
YMB1060-160-5M3	(-0.2dB) 980~1140	0.5	760M, ≥30	1440M, ≥30	0.4 Pin	15*10*6
YMB1075-50/T-6D3	(-3dB) 1000~1050	4	900M, ≥80	1200M, ≥40	0.8 Pin	35*12*8
YMB1075-150-7C	(-1dB) 1000~1150	3	900M, ≥50	1300-3000M, ≥75	0.5 Pin	26*11*5
YMB1075-250-5QHF	(-1dB) 950~1200	1.5	600M, ≥45	1900-2400M, ≥45	0.8 Pin	20*10*7
YMB1082.5-275-6D1	(-1dB) 945~1220	2	810M, ≥50	1700-3000M, ≥60	0.8 Pin	25*12*8
YMB1087.5-255-6QHF	(-0.5dB) 960~1215	3	650M, ≥58	1525M, ≥55	0.4 Pin	25*12*7
YMB1092-264/H-7R3CCF	(-0.5dB) 960~1224	2.5	800M, ≥50	1450-5000M, ≥60	0.8 Pin	30*12*7
YMB1092-264-5M1F	(-1dB) 960~1224	2	600M, ≥35	1480-1520M, ≥35	0.4 Pin	12.5*8.6*5.5
YMB1092.5-285-6QHF	(-1dB) 950~1235	2.2	700M, ≥40	1640-3000M, ≥65	0.5 Pin	25*12*7
YMB1100-40-7D2	(-1dB) 1080~1120	3.5	1000M, ≥45	1200-6000M, ≥45	0.8 Pin	30*12*8
YMB1100-100-5C	(-2dB) 1050~1150	3	950M, ≥55	1250M, ≥55	0.5 Pin	20*7.5*8
YMB1120-200/H-8D3	(-0.5dB) 1020~1220	1.5	870M, ≥45	1370-2500M, ≥45	0.8 Pin	35*12*8
YMB1125-50/T-6D3	(-3dB) 1100~1150	4	950M, ≥80	1250M, ≥40	0.8 Pin	35*12*8
YMB1150-900-7QHF	(-1dB) 700~1600	1	500M, ≥50	1800M, ≥50	0.8 Pin	20*10*7
YMB1175-50/T-6D3	(-3dB) 1150~1200	4	1000M, ≥80	1250M, ≥40	0.8 Pin	35*12*8
YMB1200-40-6D3F	(-1dB) 1180~1220	5	1000M, ≥80	1400-5000M, ≥80	0.5 Pin	35*12*8
YMB1200-60-4C	(-1dB) 1170~1230	2.5	500M, ≥60	1800-4000M, ≥60	0.5 Pin	20*9.5*6
YMB1200-100-6M5	(-0.8dB) 1150~1250	3.5	900M, ≥60	1500M, ≥60	0.4 Pin	20*9*6
YMB1200-300-7D2S	(-1dB) 1050~1350	1	800M, ≥60	1600M, ≥60	SMA-K	30*12*8
YMB1200-500-6M2	(-1dB) 950~1450	1	700M, ≥60	1700-3000M, ≥60	0.4 Pin	15*9*4
YMB1200-750-6D1F	(-1dB) 825~1575	2	400M, ≥50	2000M, ≥50	0.8 Pin	25*12*7
YMB1200-1000-8C	(-1dB) 700~1700	2.5	400M, ≥60	2000-5000M, ≥60	0.8 Pin	30*9.6*6.5
YMB1200-1200-7QHF	(-1dB) 600~1800	0.8	300M, ≥40	2000M, ≥30	0.5 Pin	20*10*6

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YMB1225-50/T-6D3	(-3dB) 1200~1250	4	1050M, ≥80	1300M, ≥40	0.8 Pin	35*12*8
YMB1240-45-5D2	(-1dB) 1217~1263	3.5	1100M, ≥45	1380M, ≥45	0.8 Pin	30*12*8
YMB1250-20-5Q1F	(-0.2dB) 1240~1260	3	2500M, ≥50	3750M, ≥50	0.8 Pin	25*10*7
YMB1250-200-9D3	(-1dB) 1150~1350	2	1075M, ≥40	1425M, ≥40	0.8 Pin	35*12*8
YMB1250-500/H-7D1F	(-0.5dB) 1000~1500	2	450M, ≥60	1750-6000M, ≥60	0.8 Pin	25*12*7
YMB1260-200-5D1	(-0.5dB) 1160~1360	1.5	1000M, ≥30	1500M, ≥20	0.8 Pin	25*12*8
YMB1275-50/T-6D3	(-3dB) 1250~1300	4.5	1100M, ≥80	1350M, ≥40	0.8 Pin	35*12*8
YMB1300-100-6D1F	(-0.8dB) 1250~1350	4	1140M, ≥35	1540M, ≥50	0.5 Pin	25*12*8
YMB1300-200-7D3	(-1dB) 1200~1400	3	1100M, ≥40	1500M, ≥40	0.8 Pin	35*12*8
YMB1300-600-6D1F	(-1dB) 1000~1600	1	700M, ≥45	1900M, ≥45	0.5 Pin	25*12*7
YMB1325-650-4DH	(-0.5dB) 1000~1650	1	500M, ≥20	2000-3300M, ≥20	0.8 Pin	20*12*7
YMB1350-120/H-5C	(-0.5dB) 1290~1410	2	1150M, ≥40	1550M, ≥40	0.5 Pin	20*11*6
YMB1350-300-5QHF	(-1dB) 1200~1500	1.5	1000M, ≥45	2400-3000M, ≥45	0.8 Pin	20*10*7
YMB1350-500-6D2F	(-1dB) 1100~1600	1.5	900M, ≥35	1800M, ≥35	0.5 Pin	30*12*8
YMB1350-800-7D3	(-1dB) 950~1750	3	800M, ≥50	1900-5000M, ≥50	0.8 Pin	35*12*8
YMB1370-30/H-5C	(-0.5dB) 1355~1385	6.3	1215M, ≥55	1525M, ≥55	0.5 Pin	15*10*5
YMB1400-300-6R3CCF	(-1dB) 1250~1550	1.5	1100M, ≥40	1700M, ≥40	0.8 Pin	30*12*7
YMB1400-400-5EW	(-1dB) 1200~1600	1	1000M, ≥45	1825M, ≥45	0.5 Pin	20*9.5*6
YMB1400-750-6R3CCF	(-1dB) 1025~1775	1	820M, ≥40	1980M, ≥40	0.8 Pin	30*12*7
YMB1400-1200-7EWF	(-1dB) 800~2000	1	500M, ≥45	2500-5000M, ≥50	0.5 Pin	20*9.5*6
YMB1425-200-5D1S	(-1dB) 1325~1525	2.2	1150M, ≥35	2650M, ≥40	SMA-K	25*12*8
YMB1425-650-8R4CCS	(-1dB) 1100~1750	1.2	900M, ≥65	2140-3500M, ≥40	SMA-K	38*12*7
YMB1450-500/H-7D3	(-0.5dB) 1200~1700	1.3	950M, ≥40	1950M, ≥40	0.8 Pin	30*12*8
YMB1500-200-6C1BS	(-1dB) 1400~1600	2	1300M, ≥50	1700-4600M, ≥50	SMA-K	40.4*12*10
YMB1500-600/T-7R4CC	(-3dB) 1200~1800	1.5	1050M, ≥40	1950M, ≥40	0.8 Pin	38*12*7
YMB1500-800/H-7D2	(-0.5dB) 1100~1900	2	800M, ≥40	2200-5700M, ≥40	0.8 Pin	30*12*8
YMB1500-1000-6M1	(-1dB) 1000~2000	2	700M, ≥50	2300-6000M, ≥50	0.4 Pin	12.5*8.6*4
YMB1512-264-8M12	(-2dB) 1380~1644	2.3	1280M, ≥65	2020M, ≥65	0.4 Pin	20*10*5
YMB1550-1200-6M5	(-1dB) 950~2150	1.5	350M, ≥60	2750M, ≥60	0.4 Pin	20*9*5
YMB1600-100-5QHF	(-1dB) 1550~1650	2	1400M, ≥25	1800M, ≥25	0.8 Pin	20*10*7
YMB1600-500-8C	(-1dB) 1350~1850	1.2	1100M, ≥40	2000M, ≥40	0.8 Pin	35*10*7
YMB1600-800-6D1F	(-1dB) 1200~2000	1	800M, ≥45	2400M, ≥45	0.5 Pin	25*12*7
YMB1625-750-4DH	(-0.5dB) 1250~2000	1	750M, ≥20	2500-4000M, ≥20	0.8 Pin	20*12*7
YMB1650-400-6M2F	(-1dB) 1450~1850	1.5	1150M, ≥60	2150M, ≥60	0.4 Pin	15*9*6
YMB1650-1000-8C1BS	(-1dB) 1150~2150	2	950M, ≥45	2350-4500M, ≥45	SMA-K	40.4*12*10
YMB1700-240/H-7C	(-0.5dB) 1580~1820	1.5	1400M, ≥50	2000M, ≥50	0.8 Pin	40.4*12*8
YMB1700-600-6D2F	(-1dB) 1400~2000	1.5	1200M, ≥35	2700M, ≥50	0.5 Pin	30*12*8

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YMB1725-170-7D2	(-1dB) 1640~1810	2.5	1445M,≥65	2005-2080M,≥65	0.8 Pin	30*12*8
YMB1750-120-7S	(-1dB) 1690~1810	3	1600M,≥60	1900M,≥60	0.5 Pin	30*12*8
YMB1750-500-6C	(-1dB) 1500~2000	2.5	1300M,≥40	2200-4000M,≥40	0.8 Pin	20*9.5*6
YMB1800-100-7C1BS	(-1dB) 1750~1850	3.2	1700M,≥30	1900-6000M,≥30	SMA-K	40.4*12*10
YMB1800-200/H-6QHF	(-0.5dB) 1700~1900	2.5	1500M,≥45	2100-6000M,≥45	0.5 Pin	20*10*7
YMB1800-300-8D3	(-1dB) 1650~1950	2.8	1515M,≥40	2085M,≥40	0.8 Pin	35*12*8
YMB1800-400-5EW	(-1dB) 1600~2000	1	1360M,≥45	2260M,≥45	0.5 Pin	20*9.5*6
YMB1800-700-7C1BS	(-1dB) 1450~2150	1.5	900M,≥40	2700-5000M,≥40	SMA-K	40.4*12*10
YMB1800-800-5DHF	(-1dB) 1400~2200	2	1000M,≥40	2500-3600M,≥40	0.5 Pin	20*12*7
YMB1800-1000-6D1F	(-1dB) 1300~2300	1	800M,≥45	2800M,≥45	0.8 Pin	25*12*6
YMB1800E-1000-7Q2F	(-1dB) 1300~2300	1	1100M,≥45	2500-6000M,≥45	0.4 Pin	30*10*7
YMB1800-1200-7C	(-2dB) 1200~2400	2.8	1100M,≥30	2500M,≥30	0.5 Pin	25*9.5*6
YMB1825-1050-7C	(-1dB) 1300~2350	2	1100M,≥40	2650-6000M,≥40	0.4 Pin	30*12*7
YMB1850-1000-8C	(-1dB) 1350~2350	1	1100M,≥45	2600M,≥45	0.8 Pin	35*10*7
YMB1860-100-5C	(-1dB) 1810~1910	4	1460M,≥60	2260-5600M,≥60	0.8 Pin	43*13*9
YMB1900-200/H-5L	(-0.5dB) 1800~3000	1.5	1100M,≥50	2900-6000M,≥50	0.5 Pin	30*12*7
YMB1900-400-6R3CCF	(-1dB) 1700~2100	1	1100M,≥40	2600M,≥40	0.5 Pin	30*12*7
YMB1900A-1000-6R3CCF	(-1dB) 1400~2400	2	1100M,≥45	2800-4800M,≥45	0.5 Pin	30*12*7
YMB2000-60-7C	(-1dB) 1970~2030	5	1870M,≥50	2130-5000M,≥50	0.5 Pin	32*9*6.5
YMB2000-200-9D3F	(-1dB) 1900~2100	3	1800M,≥50	2200M,≥50	0.5 Pin	35*12*8
YMB2000-500-7D3S	(-1dB) 1750~2250	1.2	1650M,≥30	2350M,≥30	SMA-K	35*12*8
YMB2000-1000-8R4CCS	(-2dB) 1500~2500	2.8	1100M,≥55	2700-3700M,≥55	SMA-K	38*12*7
YMB2037.5-525-7C1BS	(-1dB) 1775~2300	1.5	1150M,≥50	2662M,≥35	SMA-K	40.4*12*10
YMB2050-20-5Q1F	(-0.2dB) 2040~2060	3	1700M,≥40	2450-2550M,≥60	0.8 Pin	25*10*7
YMB2065-150-7R3CCF	(-1dB) 1990~2140	3	1800M,≥65	2300-4000M,≥65	0.5 Pin	30*12*7
YMB2072.5-95/U-7D2F	(-1dB) 2025~2120	4.5	1920M,≥65	2620-3890M,≥65	0.8 Pin	30*12*8
YMB2075-150/H-5QH	(-0.5dB) 2000~2150	2.5	3750M,≥60	5500-5790M,≥80	0.8 Pin	25*12*7
YMB2100-400-7D2	(-1dB) 1900~2300	3	1700M,≥40	2500M,≥40	0.8 Pin	30*12*8
YMB2100-500-8C	(-1dB) 1850~2350	2	1600M,≥65	2600M,≥65	0.8 Pin	32*12*6.5
YMB2148-920-7R3CP	(-1dB) 1688~2608	1.2	1304M,≥55	3000-7800M,≥55	0.8 Pin	30*12*8
YMB2185-1290-8C1BF	(-1dB) 1540~2830	3	1350M,≥30	3080-8100M,≥40	0.5 Pin	40.4*12*7
YMB2200-400-5M3	(-1dB) 2000~2400	1.5	1775M,≥40	2625-6000M,≥40	0.4 Pin	15*10*6
YMB2200-600-6Q1F	(-0.3dB) 1900~2500	2	1000M,≥60	3400-6000M,≥60	0.5 Pin	25*10*7
YMB2200-850-7D3F	(-1dB) 1775~2625	2	1400M,≥45	2850-10000M,≥45	0.4 Pin	35*12*8
YMB2200-1200-6Q1F	(-0.5dB) 1600~2800	1	1200M,≥25	3200-6000M,≥25	0.8 Pin	25*10*7
YMB2250-100-7D2F	(-0.6dB) 2200~2300	4.5	1450M,≥65	2720-3890M,≥65	0.8 Pin	30*12*8
YMB2250-150/H-7C	(-0.5dB) 2175~2325	2.5	1700M,≥70	3000-4200M,≥65	0.8 Pin	38*12*7

Product Model	Passband frequency (MHz)	center insertion loss (dB)	Bandwidth reduction (dB)		I/O port	Structural dimensions (mm)
YMB2300-200/H-5QH	(-0.5dB) 2200~2400	2.2	3950M,≥70	6150-6550M,≥80	0.8 Pin	25*12*7
YMB2300-600-7R3CC	(-1dB) 2000~2600	3	1700M,≥45	2900-5000M,≥45	0.8 Pin	30*12*7
YMB2325-170-7D1	(-1dB) 2250~2400	3	1850M,≥60	2486M,≥25	0.8 Pin	25*12*8
YMB2365-680-7D2F	(-1dB) 2010~2690	2	1600M,≥60	3000-6000M,≥60	0.5 Pin	30*12*8
YMB2375-750-5QHF	(-1dB) 2000~2750	1.5	1000M,≥55	4000-5500M,≥55	0.8 Pin	20*10*7
YMB2400-400/H-6M	(-0.5dB) 2200~2600	2	1500M,≥40	3000-4300M,≥40	0.4 Pin	20*9.7*5.5
YMB2400-2600-7Q2F	(-1dB) 1100~3700	1.5	800M,≥30	4000M,≥20	0.5 Pin	30*9*7
YMB2425-1450-7D2	(-1dB) 1700~3150	1.5	——	3400-6300M,≥40	0.8 Pin	30*12*8
YMB2500-1000-4DH	(-0.5dB) 2000~3000	1	1000M,≥20	4000-6000M,≥20	0.8 Pin	20*12*7
YMB2500-1200-6D1F	(-1dB) 1900~3100	1.5	1000M,≥35	4000-6000M,≥50	0.5 Pin	25*12*8
YMB2550-120-5C	(-1dB) 2490~2610	4.5	2150M,≥60	2950-6000M,≥60	0.8 Pin	43*13*9
YMB2600-420-8D2F	(-1.5dB) 2390~2810	3.5	2100M,≥55	3000-4500M,≥55	0.5 Pin	30*12*8
YMB2650-250-8M	(-1dB) 2525~2775	2.5	2330M,≥70	3220M,≥70	0.4 Pin	25*10*5
YMB2700-600-6CM	(-1dB) 2400~3000	1.5	1500M,≥60	3600-6000M,≥50	0.4 Pin	25*10*6
YMB2700-1500-7D3S	(-1dB) 1950~3450	1.5	1650M,≥40	3750M,≥40	SMA-K	35*12*7
YMB2750-1000-6Q2F	(-0.5dB) 2250~3250	2	1500M,≥40	4500-13000M,≥40	0.8 Pin	30*10*7
YMB2800-1200-5DHF	(-1dB) 2200~3400	1.5	1980M,≥20	3740M,≥20	0.8 Pin	20*12*7
YMB2825-1650-8Q3	(-1dB) 2000~3650	1.5	1200M,≥30	4000-8000M,≥25	0.8 Pin	35*10*8
YMB2850-1700-5D1F	(-1dB) 2000~3700	1.8	1500M,≥40	4500M,≥40	0.8 Pin	25*12*7
YMB2900-1000-9D3F	(-1dB) 2400~3400	1.8	2200M,≥50	3600-8000M,≥50	0.4 Pin	35*12*8
YMB2950-400-6Q1F	(-1dB) 2750~3150	2.5	2500M,≥50	3650-6300M,≥55	0.8 Pin	25*10*7
YMB3000-500-7Q1F	(-1dB) 2750~3250	1.5	1700M,≥60	3400M,≥20	0.5 Pin	25*10*6
YMB3000A-600-6C	(-1.5dB) 2700~3300	2.8	2150M,≥35	3900-6000M,≥35	0.4 Pin	20*7.5*6
YMB3000-1620-6DH	(-0.7dB) 2700~3300	1.8	1800M,≥40	4200-5900M,≥35	0.5 Pin	20*12*7
YMB3000-2000-8D2F	(-1dB) 2000~4000	1.7	1700M,≥60	4900-5000M,≥60	0.4 Pin	30*12*7
YMB3025-550-6C	(-1.2dB) 2750~3300	2.	2150M,≥45	3900M,≥40	0.5 Pin	18*7.5*6
YMB3050-700-5M3	(-0.3dB) 2700~3400	1	——	5200-6800M,≥60	0.4 Pin	15*10*6
YMB3050-900-7R4CC	(-1dB) 2600~3500	2	2200M,≥60	4050M,≥60	0.8 Pin	38*12*7
YMB3100-800/H-8D3	(-0.5dB) 2700~3500	1	2200M,≥50	4000-8000M,≥50	0.8 Pin	35*12*8
YMB3100-1000-7R3CCF	(-0.5dB) 2600~3600	1	2150M,≥50	4200M,≥40	0.5 Pin	30*12*7
YMB3100-1300-7Q1F	(-1dB) 2450~3750	2.5	2000M,≥60	4200-8000M,≥60	0.5 Pin	25*10*7
YMB3100-1800-6Q1F	(-1dB) 2200~4000	1	2000M,≥25	4400-8000M,≥25	0.8 Pin	25*10*7
YMB3100-2200-8Q3	(-1dB) 2000~4200	2	1500M,≥50	5000-8000M,≥50	0.8 Pin	35*10*8
YMB3150-800-6Q1F	(-1dB) 2750~3550	2	2350M,≥45	4750-7000M,≥55	0.8 Pin	25*10*7
YMB3200-600-6R3CCS	(-1dB) 2900~3500	3	2400M,≥45	4000M,≥45	SMA-K	30*12*7
YMB3225-1000-7D2F	(-1dB) 2725~3725	2	2000M,≥60	4150-7000M,≥60	0.5 Pin	30*12*8
YMB3250-1500-6D1F	(-1dB) 2500~4000	1	1800M,≥60	5500M,≥60	0.5 Pin	25*12*7

Product Model	Passband frequency (MHz)	center insertion loss (dB)	Bandwidth reduction (dB)		I/O port	Structural dimensions (mm)
YMB3300-400-6R3CCS	(-1dB) 3100~3500	1.5	1400M,≥40	6000-7000M,≥40	SMA-K	30*12*7
YMB3300-1000-6QHF	(-1dB) 2800~3800	2	2200M,≥40	4600M,≥40	0.4 Pin	25*10*7
YMB3300-1400-4DH	(-0.5dB) 2600~4000	1	1500M,≥20	5200-8000M,≥20	0.8 Pin	20*12*7
YMB3350-1300-7D2F	(-1dB) 2700~4000	2	2200M,≥45	4500-6000M,≥45	0.5 Pin	30*12*7
YMB3400-800-7S43	(-1dB) 3000~3800	2.8	2500M,≥60	4350M,≥60	0.5 Pin	30*12*7
YMB3500-200-5D2	(-1dB) 3400~3600	3	1030M,≥45	— —	0.8 Pin	30*12*8
YMB3500-800-7S43	(-2dB) 3100~3900	1.8	2800M,≥60	4200M,≥60	0.5 Pin	30*12*7
YMB3500-1000-7Q2F	(-1dB) 3000~4000	1.5	2650M,≥35	5350M,≥50	0.5 Pin	30*10*7
YMB3600-1200-5R3CC	(-0.5dB) 3000~4200	1.2	2000M,≥45	6000M,≥45	0.8 Pin	30*12*7
YMB3650-2300-8C1BS	(-1dB) 2500~4800	1.6	2200M,≥30	5500M,≥30	SMA-K	40.4*12*10
YMB3700-2000-6QHF	(-2dB) 2700~4700	3	2200M,≥45	5200-7200M,≥45	0.5 Pin	20*10*6
YMB3750-900-7D3	(-1.5dB) 3300~4200	3	3100M,≥45	4400-6000M,≥45	0.8 Pin	35*12*8
YMB3750-1500-8Q3F	(-1.2dB) 3000~4500	1	2700M,≥45	4800M,≥45	0.5 Pin	35*10*7
YMB3800-800-8Q2F	(-1dB) 3400~4200	1.8	2800M,≥75	4800-8000M,≥75	0.5 Pin	30*10*7
YMB4000-1000-5Q1F	(-0.5dB) 3500~4500	2	2250M,≥40	5250M,≥40	0.8 Pin	25*10*7
YMB4000-2000-7R3CCF	(-1dB) 3000~5000	1	2000M,≥60	6000M,≥60	0.5 Pin	30*12*7
YMB4100-1500-7D2	(-1dB) 3350~4850	2	2400M,≥50	5700-5900M,≥55	0.8 Pin	30*12*8
YMB4100-1800-7C1B	(-1dB) 3200~5000	1.6	2600M,≥50	5800-9000M,≥60	0.8 Pin	40.4*12*10
YMB4200-1400-6C	(-1dB) 3500~4900	2.5	2450M,≥43	5200M,≥30	0.8 Pin	35*10*7
YMB4275-1050-6QHF	(-1dB) 3750~4800	2	3100M,≥40	5700M,≥40	0.4 Pin	25*10*7
YMB4300-300/H-4C	(-0.5dB) 4150~4450	2	——	8000M,≥60	0.8 Pin	20*10*7
YMB4500-450-6Q1F	(-1dB) 4275~4725	3	4000M,≥50	5000M,≥50	0.5 Pin	25*10*6
YMB4500-2000-6DHF	(-1dB) 3500~5500	2	2500M,≥45	6500M,≥45	0.4 Pin	20*12*6
YMB4700-2600-6R3CCF	(-1dB) 3400~6000	2	——	6800-12100M,≥40	0.8 Pin	30*12*7
YMB4900-2000-7R4CC	(-1dB) 3900~5900	1	3200M,≥60	7200M,≥60	0.8 Pin	38*12*7
YMB5000-1000-6C	(-0.8dB) 4500~5500	2.5	4000M,≥40	6900-9000M,≥40	0.8 Pin	30*9.5*6.5
YMB5000-2000-6D1F	(-1dB) 4000~6000	1	2500M,≥60	7800M,≥60	0.5 Pin	25*12*7
YMB5250-2500-7Q3F	(-1dB) 4000~6500	1	2500M,≥60	8000M,≥60	0.5 Pin	35*10*7
YMB5400-1400-7R4CC	(-1dB) 4700~6100	1.5	4100M,≥60	7000M,≥60	0.8 Pin	38*12*7
YMB510-1-5M	(-1dB) 9.5~10.5	3	7M,≥60	13M,≥60	chip	15*10*6
YMB530-8-5M	(-3dB) 26~34	2	20M,≥40	40M,≥40	chip	21.6*11.2*7
YMB560-20-5M	(-3dB) 50~70	2	30M,≥50	90M,≥50	chip	21.6*11.2*7
YMB570-30-6M	(-1dB) 55~85	1.8	--	93.3-200M,≥25	chip	20*10*5.6
YMB575-20/H-6M	(-0.5dB) 65~85	2	55M,≥25	95M,≥25	chip	20*10*6.4
YMB596-16.4-7JH	(-1dB) 87.8~104.2	6	83M,≥35	109M,≥35	gold wire bonding	29*12*5.5
YMB5110-4-4M	-1dB) 108~112	3.5	70-88M,≥50	--	chip	20*10*5.6

Product Model	Passband frequency (MHz)	center insertion loss (dB)	Bandwidth reduction (dB)		I/O port	Structural dimensions (mm)
YMB5120-40-5M	(-3dB) 100~140	2	60M,≥50	180M,≥50	chip	21.6*11.2*7
YMB5140-34-5M	(-1dB) 123~157	3	100M,≥35	250-310M,≥42	chip	16.5*10.5*5
YMB150-10-5M	(-1dB) 145~155	5	90M,≥50	220-840M,≥50	gold wire bonding	12*8*3.5
YMB5153.6-80-6M	(-1.5dB) 113.6~193.6	1.5	73.6M,≥60	233.6M,≥60	chip	22*12*6.6
YMB5180-24/T-6M	(-3dB) 168~192	3.5	150M,≥45	210M,≥45	chip	15*8*6
YMB5200-40-5M	(-1dB) 180~220	1.5	100M,≥65	300M,≥65	chip	15*8*6.5
YMB5240-70-5M	(-3dB) 205~275	2	120M,≥60	360M,≥60	chip	21.6*11.2*7
YMB5245.76-120-7M	(-1dB) 185~306	1.2	130M,≥60	360.76M,≥60	chip	25*10*5.5
YMB5280-80-5M	(-0.5dB) 240~320	1.8	160M,≥30	360-480 M,≥30	chip	25*12*5.5
YMB300-80-6M	(-1dB) 260~340	2	200M,≥40	400M,≥40	gold wire bonding	12*8*3.5
YMB5320-200-5M	(-1dB) 220~420	1.4	1180M,≥35	480-800M,≥35	chip	25*12*5.5
YMB5347.5-9-4M	(-1dB) 343~352	1.6	—	381-397M,≥30	chip	28*16*12
YMB5360-200-7M	(-1dB) 260~360	1.5	160M,≥50	520-2000M,≥48	chip	18*9*3.5
YMB5389-16-6M	(-1dB) 381~397	2.2	—	343-352M,≥50	chip	48*16*12
YMB5400-80-5M	(-1dB) 360~440	1.5	200M,≥30	600M,≥20	chip	15*8*6.5
YMB5400-160-6M	(-1dB) 320~480	1.7	235M,≥30	580-640M,≥30	chip	13*8*4
YMB5580-240-6M	(-1dB) 460~700	1.8	330M,≥30	820-920M,≥30	chip	13*8*4
YMB600-20-5M	(-1dB) 590~610	7.5	500M,≥60	700M,≥60	gold wire bonding	12*8*3.5
YMB600B-300-7M	(-1.5dB) 450~750	1	400M,≥40	900-1500M,≥50	gold wire bonding	12*8*3.5
YMB5720-250-6M	(-1dB) 595~845	1.2	500M,≥40	940M,≥40	gold wire bonding	15*12*6
YMB735-200-7M	(-1.5dB) 635~835	3.6	510M,≥55	960M,≥55	gold wire bonding	12*8*3.5
YMB5750-100-5M	(-1dB) 700~800	1.8	650M,≥25	850M,≥25	chip	23*10*7
YMB5800-80-5M	(-1dB) 760~840	1.5	600M,≥40	1000M,≥50	chip	15*8*6.5
YMB5800-102-5M	(-1dB) 749~851	2	351M,≥40	1349M,≥65	chip	20*14.3*5.5
YMB5850-102-5M	(-1dB) 799~901	2.5	650M,≥40	1150M,≥50	chip	20*14.3*5.5
YMB1060A-84-6M	(-1dB) 1018~1102	3	880M,≥35	1350-5000M,≥55	gold wire bonding	10*6*3.5
YMB51060-140-5M	(-1dB) 990~1130	1	690M,≥50	1430-4520M,≥50	chip	15*8*5.5
YMB51087.5-251-8M	(-1dB) 962~1213	2	800M,≥50	1302M,≥50	chip	35*12*6.5
YMB51090-70-5M	(-1dB) 1055~1125	4	990M,≥40	1190M,≥40	chip	15*8*5.5
YMB51130-840-6M	(-0.8dB) 710~1550	0.8	500M,≥35	1710-5000M,≥30	chip	15*10*6
YMB1175-1650-7M	(-1dB) 350~2000	2	250M,≥30	2200M,≥30	gold wire bonding	12*8*3.5
YMB51200-250-5M	(-1dB) 1075~1325	1.6	900M,≥40	1500M,≥40	gold wire bonding	15*12*6
YMB51385-630-6M	(-1dB) 1070~1700	1.6	690M,≥30	2000-2140M,≥30	chip	13*8*4
YMB1400-400-7M	(-1dB) 1200~1600	2.6	1000M,≥50	1800M,≥50	gold wire bonding	12*8*3
YMB1495A-82-6M	(-1dB) 1454~1536	3	1250M,≥15	1850-2200M,≥30	gold wire bonding	10*6*3.5
YMB51600-2000-8M	(-1dB) 600~2600	1.5	200M,≥50	3000M,≥50	chip	31.8*12.7*6.4
YMB51750-80-5M	(-1dB) 1710~1790	4.2	1600M,≥35	—	chip	20*10*3.5

Product Model	Passband frequency (MHz)	center insertion loss (dB)	Bandwidth reduction (dB)		I/O port	Structural dimensions (mm)
YMB1800A-200-5M	(-1dB) 1700~1900	3	1350M, ≥55	2250M, ≥55	gold wire bonding	12*8*3
YMB1800C-1000-7M	(-2dB) 1300~2300	3.2	1100M, ≥50	2500M, ≥50	gold wire bonding	12*8*3
YMBS1900-1050-8M	(-2dB) 1375~2425	2	1175M, ≥45	2575M, ≥45	chip	35*12*6.5
YMBS2090-820-6M	(-1dB) 1680~2500	1.8	1080M, ≥30	3000-3360M, ≥30	chip	13*8*4
YMB3000-2000-7M	(-1dB) 2000~4000	2	700M, ≥40	4400M, ≥40	gold wire bonding	12*8*3
YMBS3250-800-5M	(-1dB) 2850~3650	2.2	2300M, ≥50	4200M, ≥50	chip	10*8*4

► Low-pass filter

Product Model	cutoff frequency (MHz)	passband loss (dB)	stopband rejection (dB)	I/O port	Structural dimensions (mm)
YML2-8C1BF	2	1.5	300-1000M, ≥70	0.8 Pin	40.4*12*8
YML3-7R5CCS	3	0.5	20-1000M, ≥60	SMA-K	46*12*7
YML6-4CM	6	1	10M, ≥50	0.4 Pin	22*10*6
YML10-8C1BS	10	2	20-2500M, ≥50	SMA-K	40.4*12*10
YML16-8C	16	0.8	32-1000M, ≥70	0.8 Pin	30*12*7
YML30-5R4CC	30	1	60-160M, ≥60	0.8 Pin	38*12*7
YML40-4M1	40	0.6	80-120M, ≥40	0.4 Pin	12.5*8.6*4.5
YML50-7R3CC	50	0.8	100-1000M, ≥60	0.8 Pin	30*12*7
YML60-4M1F	60	1.0	200-2000M, ≥35	0.4 Pin	12.5*8.6*6
YML65-4QHF	65	1	110-650M, ≥50	0.8 Pin	20*10*7
YML72-6D1F	72	1.2	90-1000M, ≥40	0.5 Pin	25*12*7
YML80-3C	80	1	160M, ≥30	0.5 Pin	15*12*7
YML100-4S	100	0.3	200M, ≥30	0.5 Pin	20*12*7
YML100-5C1AS	100	1	150-1000M, ≥60	SMA-K	30*12*10
YML110-4M1F	110	1.0	200-2000M, ≥35	0.4 Pin	12.5*8.6*6
YML120-3S	120	1	240M, ≥40	0.5 Pin	20*10*7
YML140-5C3S	140	1.5	280M, ≥40	SMA-K	30*12*7
YML170-4DHF	170	0.5	220M, ≥30	0.5 Pin	20*12*7
YML180-6DHF	180	1.2	250-1500M, ≥40	0.8 Pin	20*12*7
YML200-7Q1F	200	1	250M, ≥50	SMA-K	25*12*7
YML240-5C	240	0.5	480-3000M, ≥50	0.5 Pin	20*10*7
YML300-7R3CCS	300	0.5	500-1000M, ≥50	SMA-K	30*12*7
YML360-6D3F	360	2.4	380M, ≥40	0.8 Pin	35*12*7
YML400-5C1BS	400	1	800-1200M, ≥40	SMA-K	40.4*12*10
YML450-7C1AS	450	1	500-2000M, ≥40	SMA-K	30*12*10

Product Model	cutoff frequency (MHz)	passband loss (dB)	stopband rejection (dB)	I/O port	Structural dimensions (mm)
YML500-5Q1F	500	1	600M, ≥50	0.5 Pin	25*10*7
YML550-6C1BS	550	1	650M, ≥60	SMA-K	40.4*12*10
YML600-5D2F	600	1	800-1800M, ≥30	0.8 Pin	30*12*8
YML650-6R3CC	650	1.5	900-1600M, ≥50	0.8 Pin	30*12*7
YML710-6C1AS	710	1.5	800M, ≥40	SMA-K	30*12*10
YML780-5M1	780	1.2	950M, ≥50	0.4 Pin	12.5*8.6*6
YML800-7D3	800	2	1000-6000M, ≥50	0.8 Pin	35*12*8
YML900-5QHF	900	1	1720M, ≥50	0.8 Pin	25*10*7
YML1000A-4D2S	1000	1	1240M, ≥40	SMA-K	30*12*8
YML1050-6R3CS	1050	1	1350M, ≥60	SMA-K	29*12*7
YML1100-5M1	1100	1.2	1300-2400M, ≥40	0.4 Pin	12.5*8.6*6
YML1130-7R3CC	1130	0.8	2260M, ≥60	0.8 Pin	30*12*7
YML1200-5Q1F	1200	1	1400M, ≥50	0.5 Pin	25*10*7
YML1425-6D1	1425	1.5	1650-2850M, ≥45	0.8 Pin	25*12*8
YML1500-5C	1500	2	2400-6000M, ≥60	0.8 Pin	29*12*7
YML1600-5Q1F	1600	1	2000M, ≥50	0.5 Pin	25*10*7
YML1700-7R3CC	1700	0.5	2400M, ≥60	SMA-K	30*12*7
YML1800-5M1	1800	1.2	2130-4000M, ≥40	0.4 Pin	12.5*8.6*6
YML1800-7D1S	1800	1	2200M, ≥50	SMA-K	25*12*8
YML1900-4C1AS	1900	1.5	2200-6000M, ≥40	SMA-K	30*12*10
YML1915-5CS	1915	1	2170-6000M, ≥30	SMA-K	26*18*7
YML2000-5Q1F	2000	1	2800M, ≥50	0.5 Pin	25*10*7
YML2100-6CS	2100	1.5	2300-4300M, ≥30	SMA-K	25*12*7
YML2150-6C1AS	2150	2	2350M, ≥45	SMA-K	30*12*10
YML2200-5M1	2200	1.2	2600-4800M, ≥40	0.4 Pin	12.5*8.6*6
YML2200-6QHF	2200	1	2800M, ≥60	0.4 Pin	25*10*7
YML2250-4M3	2250	0.8	4485M, ≥50	0.4 Pin	15*10*6
YML2300-6Q2F	2300	0.5	4000-12000M, ≥50	0.8 Pin	30*10*7
YML2480-6C1BS	2480	1	4800M, ≥70	SMA-K	40.4*12*10
YML2500-4M3	2500	0.7	3000-6000M, ≥40	0.4 Pin	15*10*6
YML2500-6Q1F	2500	1	3700-9840M, ≥70	0.5 Pin	25*10*5
YML2600-7R3CC	2600	0.8	3250M, ≥60	0.5 Pin	30*12*7
YML2700-5D2	2700	2.5	3000-3500M, ≥40	0.8 Pin	30*12*8
YML2750-7R4CCS	2750	2.5	2880M, ≥20	SMA-K	38*12*7
YML2850-7Q1F	2850	2	3200M, ≥60	0.5 Pin	25*10*6
YML3000-6D2	3000	1.5	4000-8000M, ≥40	SMA-K	30*12*8
YML3250-6C	3250	1	4600-6000M, ≥55	0.8 Pin	20*10*7

Product Model	cutoff frequency (MHz)	passband loss (dB)	stopband rejection (dB)	I/O port	Structural dimensions (mm)
YML3360-5DHF	3360	0.8	6000M,≥50	0.8 Pin	20*12*7
YML3400-5QHF	3400	0.5	6800M,≥35	0.8 Pin	20*10*7
YML3500-5C	3500	0.8	4000-7000M,≥40	0.5 Pin	25*10*7
YML3700-6D1F	3700	1.5	4300-6000M,≥65	0.5 Pin	25*12*6
YML4000-5QHF	4000	2	4500-10000M,≥60	0.5 Pin	20*10*7
YML4300-5D2	4300	2.5	4700-5000M,≥40	0.8 Pin	30*12*8
YML4600-6D2F	4600	2	4800-7000M,≥20	0.4 Pin	30*12*8
YML5000-5C	5000	1	6000-10000M,≥40	0.5 Pin	25*10*7
YML5300-5Q1F	5300	1.2	7000M,≥40	0.5 Pin	25*10*6
YML6000-6DHF	6000	1.2	6800M,≥43	0.5 Pin	20*10*6
YMLS3.5-3M	3.5	1.8	5M,≥20	chip	14*9*4.4
YMLS7.5-3M	7.5	1.8	11M,≥20	chip	14*9*4.4
YMLS15.5-3M	15.5	1.8	23M,≥20	chip	14*9*4.4
YMLS25.5-3M	25.5	1.8	38M,≥20	chip	14*9*4.4
YMLS30-3M	30	1.8	45M,≥20	chip	14*9*4.4
YMLS115-4M	115	1.5	130M,≥20	chip	10*8*4.5
YMLS163-4M	163	0.5	310M,≥40	chip	25*15*8
YMLS170-3M	170	1.2	220M,≥35	chip	10*8*4
YMLS1120-3M	1120	0.5	1998-3500M,≥30	chip	15*10*7
YML4000-5M	4000	1.5	4500-8000M,≥35	gold wire bonding	12*8*3

► High-pass filter

Product Model	cutoff frequency (MHz)	passband loss (dB)	stopband rejection (dB)	I/O port	Structural dimensions (mm)
YMH2-5C1BS	2~50	1	1M,≥70	SMA-K	40.4*12*10
YMH7-5D2S	7~100	1	3.9M,≥40	SMA-J/K	30*12*8
YMH14-5D2S	14~100	1	7.2M,≥40	SMA-J/K	30*12*8
YMH20-5C1BS	20~200	1	10M,≥70	SMA-K	40.4*12*10
YMH30-1000-7DH	30~1000	1	DC-10M,≥55	0.5 Pin	20*12*8
YMH42-5D2S	42~400	1	25M,≥40	SMA-J/K	30*12*8
YMH70-3000-7CM	70~3000	1	50M,≥30	0.4 Pin	35*9*8
YMH100-5D2S	100~1000	1	54M,≥40	SMA-J/K	30*12*8
YMH300-6000-5R3CS	300~6000	1.5	200M,≥40	SMA-K	29*12*7
YMH400-6000-6R3CC	400~6000	1.5	300M,≥60	0.8 Pin	30*12*7
YMH710-6M9	710~3000	1	650M,≥30	0.4 Pin	35*9*8

Product Model	cutoff frequency (MHz)	passband loss (dB)	stopband rejection (dB)	I/O port	Structural dimensions (mm)
YMH880-1600-7DHF	880~1600	1.2	550-750M,≥40	0.5 Pin	20*12*7
YMH960-6000-6W3S	960~6000	1	870M,≥40	SMA-K	35*12*8
YMH1000-4000-7R3CC	1000~4000	1	900M,≥30	0.5 Pin	30*12*7
YMH1500-8000-6C1BS	1500~8000	1	1250M,≥40	SMA-K	40.4*12*10
YMH1600-2700-6R3CCS	1600~2700	1.5	848-895M,≥80	SMA-K	30*12*7
YMH2000-6000-4M	2000~6000	2.2	1800M,≥20	0.4 Pin	20*9.5*6.2
YMH2000-8000-20C	2000~8000	1.2	1800M,≥40	0.4 Pin	20*10*6
YMH2000-18000-5C	2000~18000	1.5	1800M,≥40	0.4 Pin	15*10*6
YMH2200-6D2F	2200~6000	1	1900M,≥40	0.5 Pin	30*12*8
YMH2400-6R3CCS	2400~10000	1	1610M,≥30	SMA-K	30*12*7
YMH2500-6000-6R3CCS	2500~6000	1.5	2100M,≥60	SMA-K	30*12*7
YMH2700-6200-5QHF	2700~6200	2	2500M,≥30	0.5 Pin	25*12*7
YMH4700-7300-6R4CCS	4700~7300	1.5	2400M,≥70	SMA-K	38*12*7
YMH5000-18000-20C	5000~18000	1	4000M,≥55	0.4 Pin	20*10*6
YMH6000-18000-5Q2F	6000~18000	2	5000M,≥40	0.4 Pin	30*10*7
YMH6000D-18000-9C	6000~18000	2	4500M,≥60	0.4 Pin	15*10*6
YMH51.5-3M	1.5~30	1.8	1M,≥20	chip	14*9*4.4
YMH55.5-3M	5.5~30	1.8	3.75M,≥20	chip	14*9*4.4
YMH513.5-3M	13.5~60	1.8	9M,≥20	chip	14*9*4.4
YMH517.5-3M	17.5~60	1.8	11.5M,≥20	chip	14*9*4.4
YMH521.5-3M	21.5~60	1.8	15M,≥20	chip	14*9*4.4
YMH5380-9M	380~3200	1	DC-200M,≥40	gold wire bonding	8*5*3.6
YMH2000-6000-3M	2000~6000	2	1800M,≥30	gold wire bonding	10*8*3
YMH52000C-9M	2000~18000	2	DC-1500M,≥45	gold wire bonding	8*5*3.6
YMH52000-18000-9M	2000~18000	3	1800M,≥40	gold wire bonding	15*10*4.5
YMH2700A-6200-4M	2700~6200	1.8	2100-2300M,≥45	gold wire bonding	10*8*3
YMH2800-4M	2800~18000	2.5	DC-2600M,≥40	gold wire bonding	8*5*3.6
YMH53000-4M	3000~17000	2.5	DC-2700M,≥35	gold wire bonding	8*5*3.6

► Bandstop filter

Product Model	passband frequency (MHz)	passband loss (dB)	stopband rejection (dB)	I/O port	Structural dimensions (mm)
YMR28.5-23-3DH	DC~17, 40~200	1.5	27M,≥55	0.5 Pin	20*12*8
YMR40-5-7C1BS	DC~32.5, 47.5~200	2	37.5-42.5M,≥50	SMA-K	40.4*12*10
YMR85-10-6R3CCS	DC~65, 105~1000	1	80-90M,≥50	SMA-K	30*12*7
YMR95-30-3C1AS	20~60, 150~1000	1.5	80-110M,≥20	SMA-K	30*12*10

Product Model	passband frequency (MHz)	passband loss (dB)	stopband rejection (dB)	I/O port	Structural dimensions (mm)
YMR325-150-7R3CCS	30~200, 500~1000	1.5	250-400M, ≥60	SMA-K	30*12*7
YMR420-20-4R3CP	DC~370, 450~2700	3.5	410-430M, ≥30	0.8 Pin	30*12*7
YMR580-20-3C1AS	20~490, 670~3000	1.5	570-590M, ≥20	SMA-K	30*12*10
YMR895-150-7D2SJ	DC~770, 1020~2230	2	820-970M, ≥40	SMA-K/J	30*12*8
YMR910-100-8M9	DC~725, 1125~3000	1	860-960M, ≥60	0.4 Pin	35*9*8
YMRS1130-60-3M	1018~1042	1	1110-1160M, ≥20	chip	10*8*4
YMR1212.5-115-5D2SJ	DC~1055, 1370~3000	2	1155-1270M, ≥40	SMA-K/J	30*12*8
YMR1450-100-5C	800~1200, 1700~2000	1.2	1400-1500M, ≥35	0.5 Pin	20*10*6
YMR1590-100-7D2SJ	DC~1340, 1840~3900	2	1540-1640M, ≥40	SMA-K/J	30*12*8
YMR1635-230-5D1F	1350~1470, 1800~1850	3.5	1520-1750M, ≥24	0.5 Pin	25*12*7
YMR1750-1900-5C1AS	20~600, 3000~5000	1.5	800-2700M, ≥20	SMA-K	30*12*10
YMR1950-60-5M9	DC~1650, 2300~5000	1	1920-1980M, ≥60	0.4 Pin	35*9*8
YMR1987.5-365-5C	100~1700, 2300~6000	3	1805-2170M, ≥30	0.8 Pin	30*12*7
YMR2000-400-5CS	DC~1550, 2550~6000	1.5	1800-2200M, ≥50	SMA-K	30*12*7
YMR2050-300-6C1BS	DC~1600, 2600~5000	1.6	1900-2200M, ≥60	SMA-K	40.4*12*10
YMR2200-1000-5R3CC	DC~1500, 3100~4000	1.5	1700-2700M, ≥25	0.5 Pin	30*12*7
YMR2250-100-5D1F	2000~2040, 2500~6000	1.5	2200-2300M, ≥30	0.5 Pin	25*12*7
YMR2400-200-5R3CCS	DC~1900, 2800~6000	1.5	2300-2500M, ≥47	SMA-K	30*12*7
YMR2600-200-5C1BS	DC~1900, 3500~5000	1	2500-2700M, ≥60	SMA-K	40.4*12*10
YMR2610-160-3C	2000~2420, 2800~6000	2	2530-2690M, ≥18	0.4 Pin	18*10*4
YMR3600-400-5C1BS	DC~2600, 5000~7000	1	3400-3800M, ≥60	SMA-K	40.4*12*10
YMR3800-200-5D1F	2000~3500, 4100~6000	1.5	3700-3900M, ≥30	0.5 Pin	25*12*7
YMR4300A-40-3M	DC~3680, 4980~18000	1.5	4280-4320M, ≥35	gold wire bonding	10*8*3.5
YMR6300A-600-9C	2000~5500, 7100~18000	2.5	6000-6600M, ≥35	0.4 Pin	25*10*6

Production Plant (LTCC)

Yun Micro Electronics Co.,Ltd invested and set up a modern LTCC production line in 2014. The main equipments include punching machine, hole filling machine, printing machine, laminating machine, cutting machine, sintering furnace and so on.

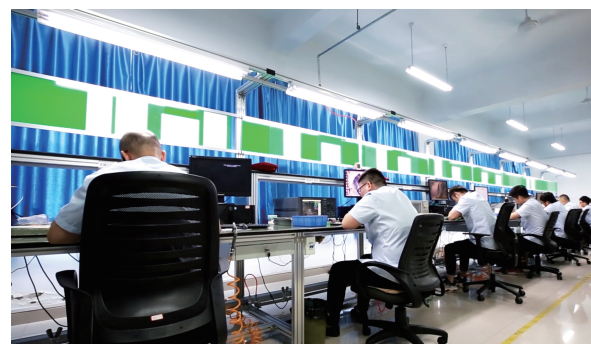
Relying on this high-precision modern LTCC production line, Yun Micro has optimized and upgraded some filters. Since then, the size of the filter products has been significantly reduced compared with the traditional filters, and the applicability is more extensive.



| manufacturing department



| Debug Department



Since the establishment of Yun Micro Electronics Co.,Ltd, according to the various solutions of our customers, our R&D team composed of skilled engineers has designed thousands of RF/micro-wave components to meet the needs of our customers by cooperating with them based on the concept of customer-centeredness and pragmatism. Our team always responds to customer needs in a timely manner and proposes optimized solutions based on project requirements. The RF passive components provided by CloudMicro are not only well crafted and technically precise, but also have stable performance and long service life, which are suitable for customers with different applications.