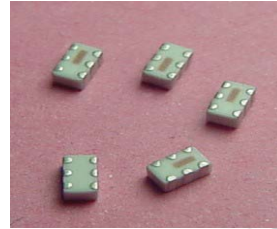


Multilayer Chip Bandpass Filters

Features

- Ultra small SMD type with low loss at pass-band and high attenuation at stop-band



Applications

- 0.8-6 GHz wireless communication systems, including DECT/PACS/PHS/GSM/DCS/PCS phones, WLAN card Bluetooth modules, Hyper-Lan, etc.

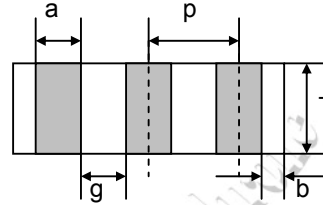
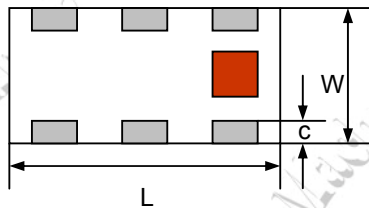
Part Number Systems

MBF - 2012 - B - 5R5 - BAA - LF

(1) (2) (3) (4) (5) (6)

(1)	Product series	(2)	Dimensions (L x W): 2.0 x 1.25 mm
(3)	Material code	(4)	Frequency Range: 5R5 = 5500MHz
(5)	Specification Code	(6)	ROHs Compliant

Shape And Dimensions



Unit: mm

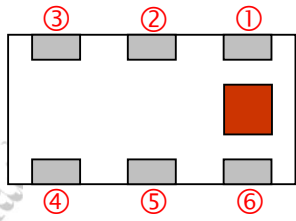
Type	L	W	T	a	b	c	g	p
2012	2.0 ± 0.1	1.25 ± 0.1	0.85 ± 0.1	0.3 ± 0.1	0.2 ± 0.1	0.3 + 0.1/-0.2	0.35 ± 0.1	0.65 ± 0.05

MBF-2012-Series				ELECTRICAL CHARACTERISTICS		
Part Number	Frequency Range (MHz)	Insertion Loss @ BW (dB)	VSWR @ BW	Att. I (dB)	Att. II (dB)	Att. II Capacity
MBF-2012-B-5R5-BAA-LF	5150 ~ 5825	1.8 Max	2.0 Max	35Min@2570~2900 MHz	22 Min @ 10300 ~ 11650 MHz	30 Min @ 15450 ~ 17475 MHz
MBF 2012-B-5R5-BAB-LF	5150 ~ 5875	2.8 Max	2.0 Max	30 Min @ 500~4000MHz	20 Min @ 4600MHz	25Min@10300~11800 MHz

* All specifications are subjected to change without prior notice.

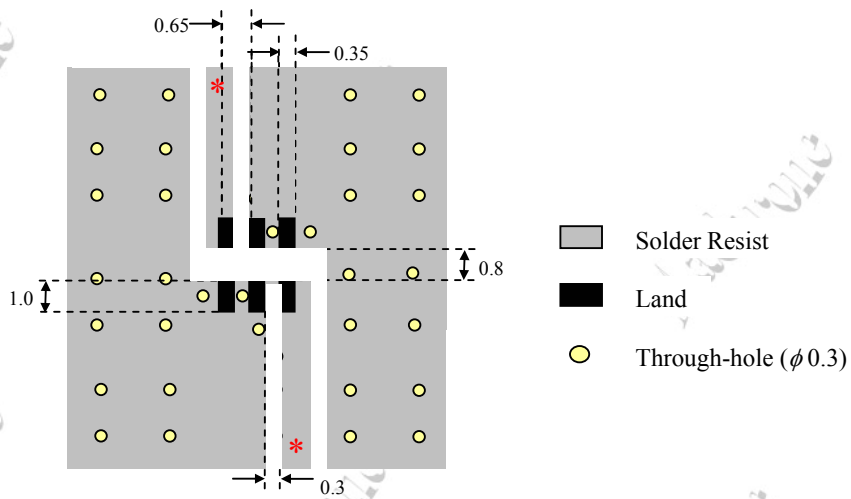
Multilayer Chip Bandpass Filters

Terminal Configuration



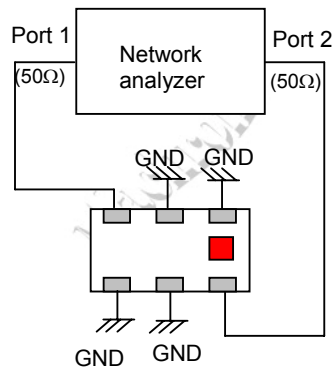
No.	Terminal Name	No.	Terminal Name
1	GND	4	GND
2	GND	5	GND
3	In/Out	6	In/Out

Recommended PC Board Pattern (Unit: mm)



* Line width should be designed to match 50 Ω characteristic impedance, depending on PCB material and thickness.

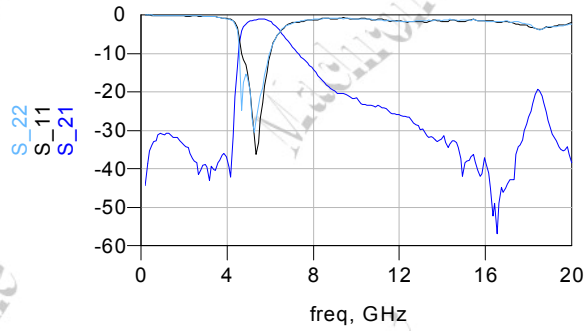
Measuring Diagram



Multilayer Chip Bandpass Filters

Typical Electrical Characteristics (Temperature = 25°C)

❖ MBF-2012-B-5R5-BAA-LF



❖ MBF-2012-B-5R5-BAB-LF

