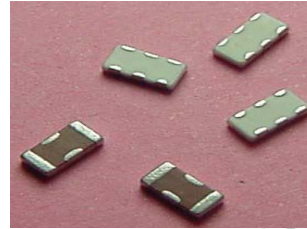


Multilayer Chip Bandpass Filters

Features

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



Applications

- 2.4 GHz WLAN, Home RF, Bluetooth Modules, etc

Part Number Systems

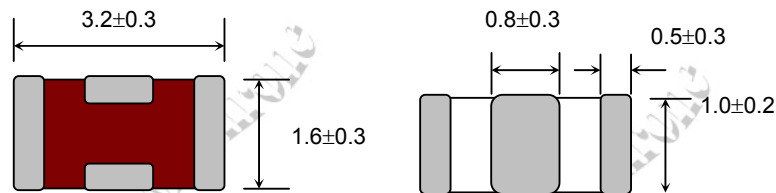
MBF - 3216 - B - 2R4 - AAA - LF

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

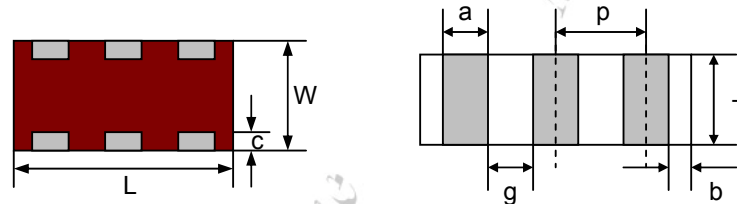
(1)	Product series	(2)	Dimensions (L x W): 3.2 x 1.6 mm
(3)	Material code	(4)	Frequency Range: 2R4 = 2400MHz
(5)	Specification Code	(6)	ROHs Compliant

Shape And Dimensions

❖ MBF-3216-B-2R4-AAA-LF



❖ MBF-3216-B-2R4-BAA-LF



Unit: mm

Type	L	W	T	a	b	c	g	p
3216	3.2 ± 0.15	1.6 ± 0.15	0.85±0.1	0.55 ± 0.15	0.35 ± 0.15	0.3 + 0.1/-0.2	0.4 ± 0.15	1.0 ± 0.1

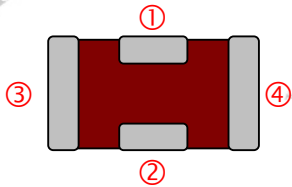
Multilayer Chip Bandpass Filters

MBF-3216-Series		ELECTRICAL CHARACTERISTICS						
Part Number	Frequency Range (MHz)	Insertion Loss @ BW (dB)	VSWR @ BW	Att.I I (dB)	Att.II (dB)	Att.III (dB)	Att.IV (dB)	Power Capacity
MBF-3216-B-2R4-AAA-LF	2400 ~ 2500	2.0 Max.	2.0 Max.	30 Min.@ 1750MHz	25 Min.@ 2100MHz	22 Min.@ 4800 ~ 5000MHz	---	500mW Max
MBF-3216-B-2R4-BAA-LF	2400 ~ 2500	2.5 Max.	2.0 Max.	40 Min.@ 1200~ 1800MHz	25 Min.@ 2100MHz	35 Min.@ 4800 ~ 5000MHz	25 Min.@ 7200 ~ 7500MHz	500mW Max

* All specifications are subjected to change without prior notice.

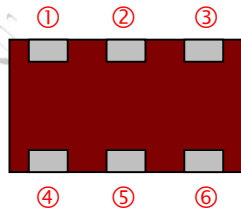
Terminal Configuration

❖ MBF-3216-B-2R4-AAA-LF



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

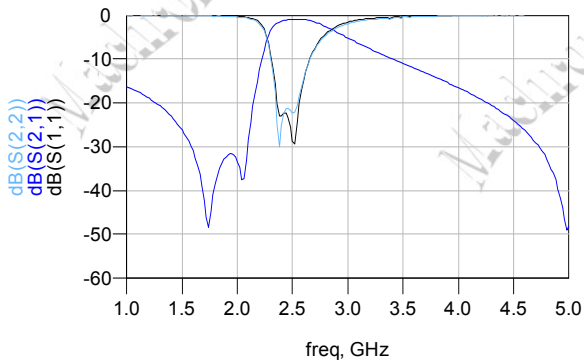
❖ MBF-3216-B-2R4-BAA-LF



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

Typical Electrical Characteristics (Temperature = 25°C)

❖ MBF-3216-B-2R4-AAA-LF



❖ MBF-3216-B-2R4-BAA-LF

