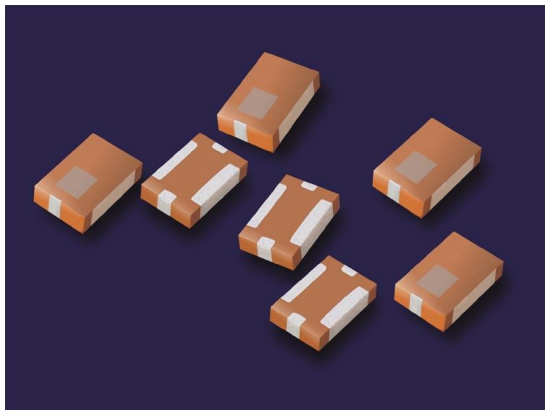
BF 1608 Series

Multilayer Chip Band-Pass Filters

ACX
Advanced Ceramic X

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 phones, WLAN card, Bluetooth modules, Hyper-LAN, etc.

Specifications

Part Number	Freq. Range (MHz)	Insertion Loss @ BW (dB)	VSWR @ BW	Frequency	Attenuation (dB)
BF1608-L2R4DAB_	2400 ~ 2500	2.5 max.	2.0 max.	824 ~ 960MHz	35 min.
				1710 ~ 1910MHz	38 min.
				4800 ~ 5000MHz	25 min.
				7200 ~ 7500MHz	20 min.

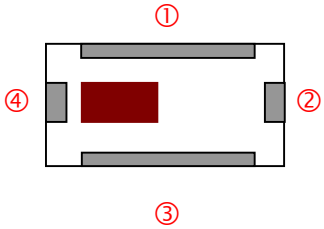
Q'ty/Reel (pcs) : 4,000
Operating Temperature Range : -40 ~ +85 °C
Storage Temperature Range : +5 ~ +35 °C, Humidity 45~75%RH
Storage Period : 12 months max.*
*12 months in vacuum sealed bag and 1 week after opened.
Solder Paste : SAC 305 type is recommended.
Power Capacity : 500mW max.

Part Number

BF	1608	-	L	2R4	DAB	□	/LF
①	②		③	④	⑤	⑥	⑦

① Type	BF : Band-Pass Filter	② Dimensions (L × W)	1.6 × 0.8 mm
③ Material Code	L	④ Frequency Range	2R4=2400MHz
⑤ Specification Code	DAB	⑥ Packaging	T: Tape & Reel B: Bulk
⑦ Soldering	=lead-containing /LF=lead-free		

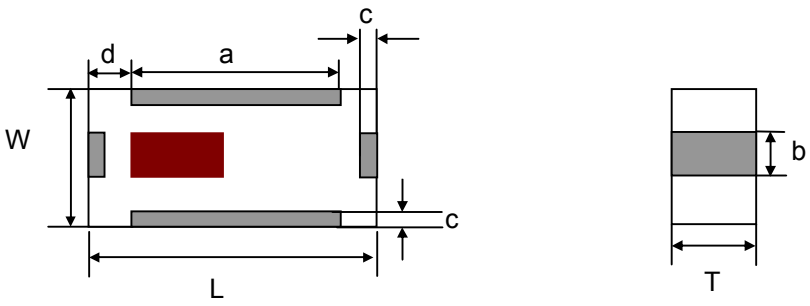
Terminal Configuration



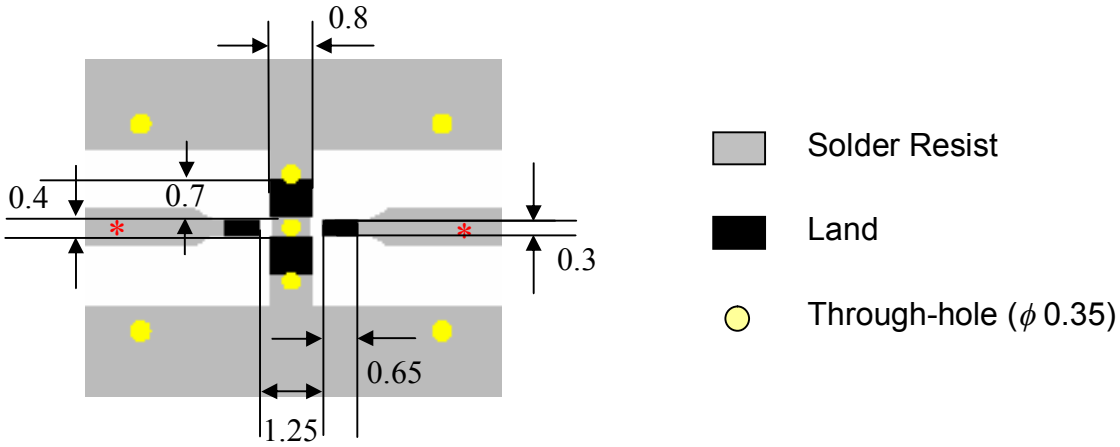
No.	Terminal Name	No.	Terminal Name
①	GND	③	GND
②	OUT	④	IN

Dimensions and Recommended PC Board Pattern

Unit : mm

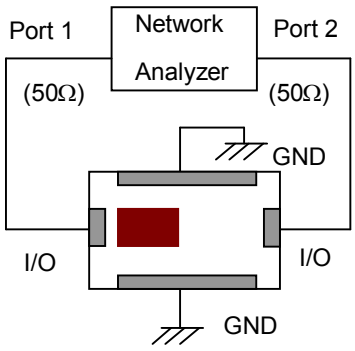


Mark	L	W	T	a	b	c	d
Dimensions	1.6 ± 0.10	0.8 ± 0.10	0.6± 0.10	0.7± 0.15	0.3 ± 0.10	0.15 ± 0.10	0.45± 0.15

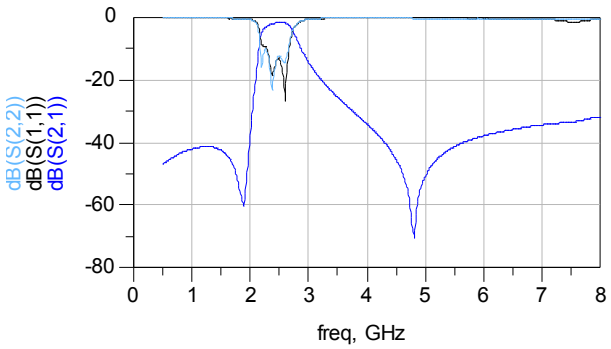


* Line width should be designed to match 50 Ω characteristic impedance, depending on PCB material and thickness.

Measuring Diagram



Electrical Characteristics (T=25°C)



Notes

- The contents of this data sheet are subject to change without notice. Please confirm the specifications and delivery conditions when placing your order.

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