

LTCC 低温共烧陶瓷

■ Feature 特点

Compact Size 体积小

Miniaturized SMD packaged in low profile and lightweight.

Low Loss 低插入损耗

Low insertion loss, high attenuation.

High Soldering Heat Resistance 耐高温表面焊接

High quality termination allows both flow and re-flow soldering methods to be applied.

High Performance 特性优良

Eliminate noise over a wide frequency range. Idea for high frequency and space limited designs.

Available in tape and reel packaging for automatic mounting 卷轴包装适用于表面贴片技术

■ Product Identification 产品型号

BBF - 1608 - ###xx - A1 - □□
① ② ③ ④ ⑤

① Product Code

② Dimension Code

③ Series Type (### represents center frequency and xx represents material type)

④ Design Code

⑤ Pattern Code



Balance Band-Pass Filter 平衡式带通滤波器

Application 用途

WLAN, Bluetooth, Home RF, etc.

Figure and Dimension 外观尺寸

Figure A

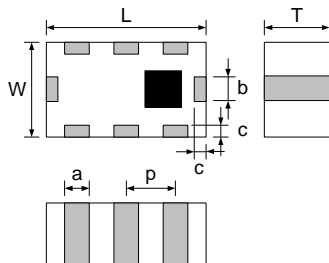
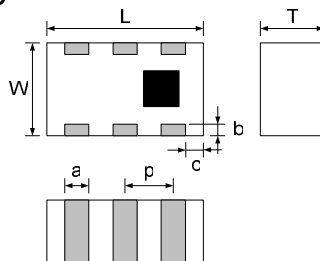


Figure B

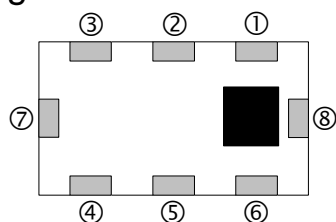


Unit: mm

Figure	L	W	T	a	b	c	p
A	2.00±0.20	1.25±0.20	1.00±0.10	0.30+0.10	0.30+0.10	0.20±0.15	0.65±0.15
			0.70±0.10	-0.15	-0.15		
	1.6.0±0.10	0.8±0.10	0.6±0.10	0.30±0.10	0.2±0.1	0.15±0.1	0.55±0.05
B	1.6 ± 0.15	0.80 ± 0.10	0.60 ± 0.10	0.3 ± 0.10	0.3+0.10 -0.20	0.1 ± 0.10	0.55±0.10

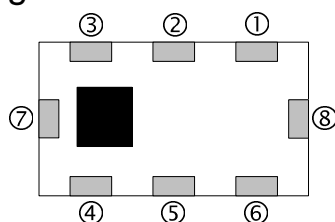
Termination Configuration 脚位图

Figure A1



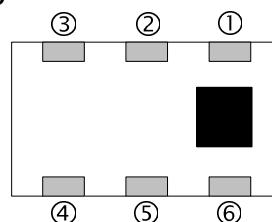
- ① Unbalance Port
- ② DC
- ③ NC
- ④ Balance Port
- ⑤ GND
- ⑥ Balance Port
- ⑦ GND ⑧ GND

Figure A2



- ① Unbalance Port
- ② DC
- ③ NC
- ④ Balance Port
- ⑤ GND
- ⑥ Balance Port
- ⑦ GND ⑧ GND

Figure B



- ① Unbalanced Port
- ② GND
- ③ Balance Port
- ④ Balance Port
- ⑤ GND
- ⑥ GND



■ Electrical Specification 电气规格

Part No. 型号	Pass Band 带宽 (MHz)	Insertion Loss 插入损耗	VSWR 电压 驻波比	Phase Difference 相位差	Amplitude Imbalance 振幅差	Attenuation 带外抑制	Figure 外观
BBF-1608-2G4H6-A1	2400~2500	3.5 dB max.	2.2 max.	180±10 deg.	2.0 dB max.	35dB min. at 880~960MHz 28dB min. at 1710~1910MHz 20dB min. at 4800~5000MHz	A1
BBF-1608-2G4S1-A1	2400~2500	2.0 dB max.	2.0 max.	180±10 deg.	2.0 dB max.	25dB min. at 4800~5000MHz 20dB min. at 7200~7500MHz	B
BBF-2012-2G4H6-A1	2400~2500	3.5dB max.	2.0 max.	180°±10°	1.0dB max.	45dB min. at 880~960MHz 35dB min. at 1710~1880MHz 28dB min. at 1880~1990MHz 25dB min. at 4800~5000MHz 20dB min. at 7200~7500MHz	A1
BBF-2012-2G4H6-B4	2400~2500	3.5dB max.	2.0 max.	180°±10°	2.0dB max.	30dB min. at 860~960MHz 25dB min. at 1710~1910MHz 25dB min. at 4800~5000MHz 20dB min. at 7200~7500MHz	A1
BBF-2012-2G4H6-B5	2400~2500	2.3dB max.	2.0 max.	180°±10°	2.0dB max.	30dB min. at 860~960MHz 27dB min. at 1710~1910MHz 30dB min. at 4800~5000MHz	A1
BBF-2012-2G4H6-D5	2400~2500	2.3dB max.	2.0 max.	180°±10°	2.0dB max.	30dB min. at 860~960MHz 27dB min. at 1710~1910MHz 30dB min. at 4800~5000MHz	A1
BBF-2012-2G4H6-A9	2400~2500	2.5dB max.	2.0 max.	180°±10°	2.0dB max.	35dB min. at 860~960MHz 25dB min. at 1710~1910MHz 20dB min. at 4800~5000MHz 20dB min. at 7200~7500MHz	A1
BBF-2012-2G4S1-C1	2400~2500	2.5dB max.	2.0 max.	180°±20°	2.0dB max.	25dB min. at 4800~5000MHz	A1
BBF-2012-2G4S1-A6	2400~2500	2.5dB max.	2.0 max.	180°±20°	2.0dB max.	-	A1
BBF-2012-3G5H6-A2	3300~3600	3.2dB max.	2.5 max.	180°±20°	2.5dB max.	30dB min. at 1710~1990MHz 30dB min. at 2400~2500MHz 20dB min. at 4400~4800MHz 20dB min. at 4900~5950MHz	A2
BBF-2012-5G5S1-A1	4900~5875	2.0dB max.	2.0 max.	180°±15°	2.0dB max.	30dB min. at 3500MHz	A1

■ NOTES

Please confirm the specifications and delivery conditions when placing your order.

