

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

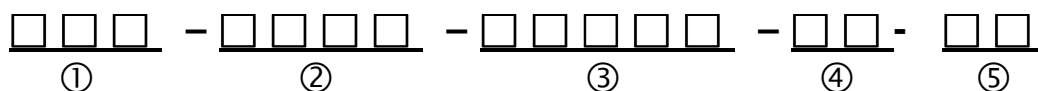
High quality termination allows both flow and re-flow soldering methods to be applied.

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



- ① Product Code
- ② Dimension Code
- ③ Series Type (center frequency and material type)
- ④ Design Code
- ⑤ Pattern Code



Diplexer 双工器

Application 用途

Dual-band WLAN, GPS + WiFi.

Figure and Dimension 外观尺寸

Figure A

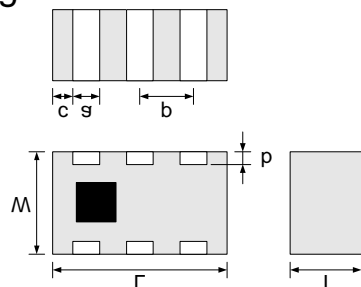


Figure B

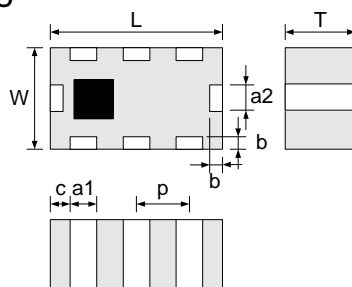
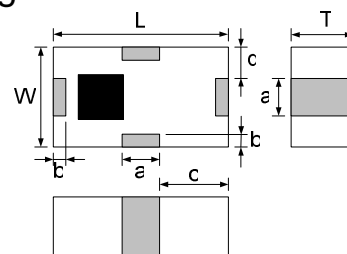


Figure C



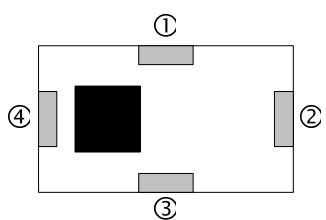
Unit: mm

Figure	L	W	T	a/a1/a2	b	c	d/p
A	1.60±0.10	0.80±0.10	0.60±0.10	0.30+0.10 -0.15	0.15±0.10	0.65±0.15	0.25±0.15
	2.00±0.15	1.25±0.15	0.95±0.10	0.30±0.20	0.25±0.20	0.20±0.20	0.65±0.20
B	2.00±0.15	1.25±0.15	0.95±0.10	0.30±0.20	0.25±0.20	0.20±0.20	0.65±0.20
C	1.60±0.10	0.80±0.10	0.60±0.10	0.30+0.10 -0.15	0.15±0.10	0.65±0.15	0.25±0.15

Termination Configuration 脚位图

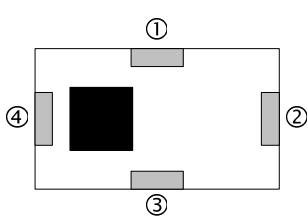
LTD-1608

2G4-A1/A3



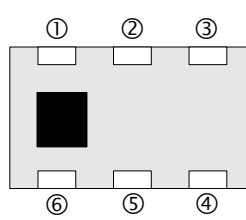
- ① GND
- ② Low Frequency Port
- ③ Common Port
- ④ High Frequency Port

2G4-A2/A4



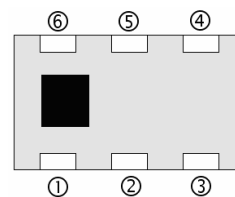
- ① GND
- ② High Frequency Port
- ③ Common Port
- ④ Low Frequency Port

1G5-A1



- ① High Frequency Port
- ②④⑥ GND
- ③ Low Frequency Port
- ⑤ Common Port

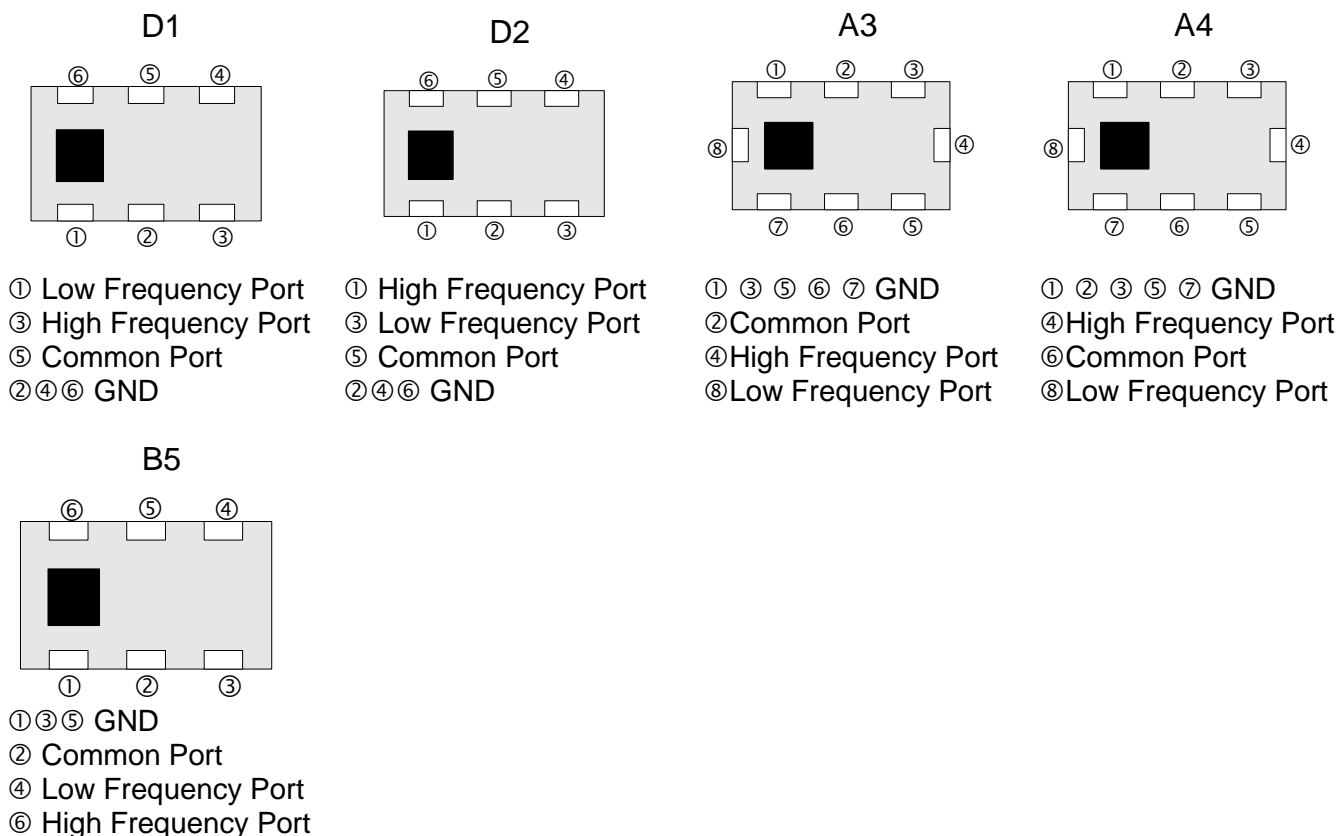
2G4/A7



- ① High Frequency Port
- ③ Low Frequency Port
- ⑤ Common Port
- ②④⑥ GND



LTD-2012



Electrical Specification 电气规格

Part No. 型号	Port 埠	Pass Band 带宽 (MHz)	Insertion Loss 插入损耗	VSWR 电压 驻波比	Attenuation 带外抑制	Figure 外观
LTD-1608-1G5S1-A1	Common to Low Freq. Port	1575	0.65dB max.	2.0 max.	18dB min. at 2400~2500 MHz	A
	Common to High Freq. Port	2400~2500	0.65dB max.	2.0 max.	20dB min. at 1575 MHz	
	Common Port	1575	-	2.0 max.	-	
		2400~2500		2.0 max.		
LTD-1608-2G4S1-A1	Common to Low Freq. Port	2400~2500	0.8dB max.	2.0 max.	20dB min. at 4900~6000 MHz	C
	Common to High Freq. Port	4900~5850	1.1dB max.	2.0 max.	20dB min. at 2400~2500 MHz	
					15dB min. at 9800~11700 MHz	
	Common Port	2400~2500	-	2.0 max.	-	
		4900~5850		2.0 max.		



Part No. 型号	Port 埠	Pass Band 带宽 (MHz)	Insertion Loss 插入损耗	VSWR 电压 驻波比	Attenuation 带外抑制	Figure 外观
LTD-1608- 2G4S1-A2	Common to Low Freq. Port	2400~2500	0.8dB max.	2.0 max.	20dB min. at 4900~6000 MHz	C
	Common to High Freq. Port	4900~5850	1.1dB max.	2.0 max.	20dB min. at 2400~2500 MHz 15dB min. at 9800~11700 MHz	
	Common Port	2400~2500	-	2.0 max.	-	
		4900~5850		2.0 max.		
LTD-1608- 2G4S1-A3	Common to Low Freq. Port	2400~2500	0.7dB max.	2.0 max.	20dB min. at 4800~6000 MHz	C
	Common to High Freq. Port	4900~5850	0.9dB max.	2.0 max.	20dB min. at 2400~2500 MHz	
	Common Port	2400~2500	-	2.0 max.	-	
		4900~5850		2.0 max.		
LTD-1608- 2G4S1-A4	Common to Low Freq .Port	2400~2500	0.7 dB max.	2.0 max.	20 dB min. at 4800~6000 MHz	C
	Common to High Freq .Port	4900~5850	0.9 dB max.	2.0 max.	20 dB min. at 2400~2500 MHz	
	Common Port	2400~2500	-	2.0 max.	-	
		4900~5850		2.0 max.		
LTD-1608- 2G4S1-A7	Common to Low Freq .Port	2400~2500	0.6 dB max.	2.0 max.	20 dB min. at 4800~6000 MHz 20 dB min. at 7200~7500 MHz	A
	Common to High Freq .Port	5100~5900	1.4 dB max.	2.0 max.	35 dB min. at 2400~2500 MHz 18 dB min. at 3300~3900 MHz 12 dB min. at 9800~11900 MHz	
	Common Port	2400~2500	-	2.0 max.	-	
		5100~5900		2.3 max.		
LTD-2012- 2G4S1-D1	Common to Low Freq. Port	2400~2500	0.7 dB max.	2.0 max.	20 dB min. at 4800~6000 MHz 15 dB min. at 7200~7500 MHz	A
	Common to High Freq. Port	4900~5950	1.0 dB max.	2.0 max.	20 dB min. at 1800~2500 MHz 20 dB min. at 9800~11900 MHz	
	Common Port	2400~2500	-	2.0 max.	-	
		4900~5950		2.0 max.		
LTD-2012- 2G4S1-D2	Common to Low Freq. Port	2400~2500	0.7 dB max.	2.0 max.	20 dB min. at 4800~6000 MHz 20 dB min. at 7200~7500 MHz	A
	Common to High Freq. Port	4900~5950	1.0 dB max.	2.0 max.	20 dB min. at 1800~2500 MHz 25 dB min. at 9800~11900 MHz 15 dB ref. at 14700~17850 MHz	
	Common Port	2400~2500	-	2.0 max.	-	
		4900~5950		2.0 max.		



Part No. 型号	Port 埠	Pass Band 带宽 (MHz)	Insertion Loss 插入损耗	VSWR 电压 驻波比	Attenuation 带外抑制	Figure 外观
LTD-2012-2G4S1-A3	Common to Low Freq. Port	2400~2500	0.7 dB max.	1.7 max.	20 dB min. at 4800~6000 MHz	B
	Common to High Freq. Port	4900~5850	0.9 dB max.	1.8 max.	20 dB min. at 2400~2500 MHz	
	Common Port	2400~2500	-	1.7 max.	-	
		4900~5850		1.8 max.		
LTD-2012-2G4S1-A4	Common to Low Freq. Port	2400~2500	0.7 dB max.	1.7 max.	20 dB min. at 4800~6000 MHz	B
	Common to High Freq. Port	4900~5850	0.9 dB max.	1.8 max.	20 dB min. at 2400~2500 MHz	
	Common Port	2400~2500	-	1.7 max.	-	
		4900~5850		1.8 max.		
LTD-2012-2G4S1-B5	Common to Low Freq. Port	2400~2500	0.5 dB max.	2.0 max.	20 dB min. at 4800~5000 MHz 20 dB min. at 7200~7500 MHz	A
	Common to High Freq. Port	4900~5950	1.0 dB max.	2.0 max.	20 dB min. at 1800~2500 MHz 15 dB min. at 9800~11900 MHz	
	Common Port	2400~2500	-	2.0 max.	-	
		4900~5950		2.0 max.		

©Please contact us for detail information.

