

## Diplexer 双工器

### Application 用途

Dual-band WLAN, GPS + WiFi.

### Figure and Dimension 外观尺寸

Figure A

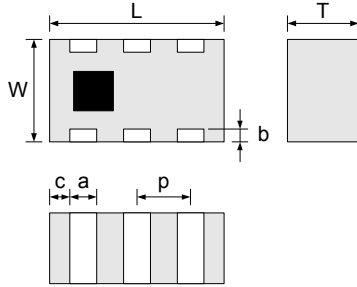


Figure B

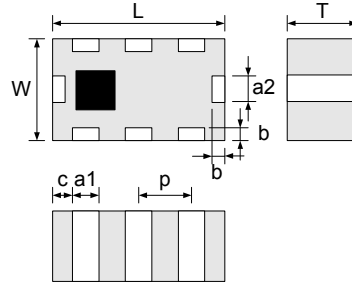
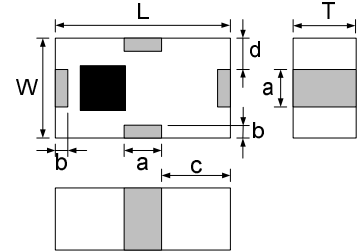


Figure C



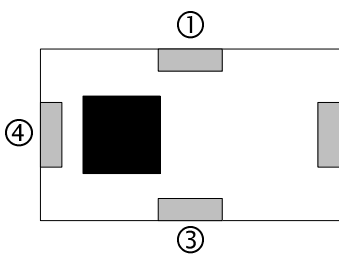
Unit: mm

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

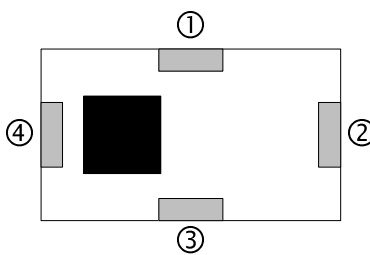
LTD-1608

2G4-A1/A3



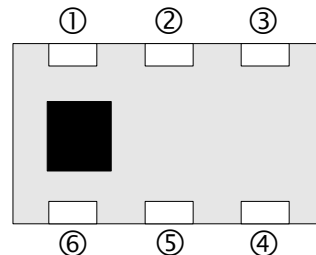
- ① GND
- ② Low Frequency Port
- ③ Common Port
- ④ High Frequency Port

2G4-A2/A4



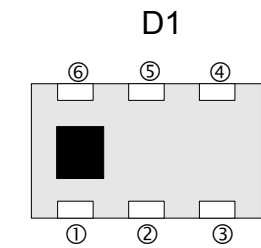
- ① GND
- ② High Frequency Port
- ③ Common Port
- ④ Low Frequency Port

1G5-A1

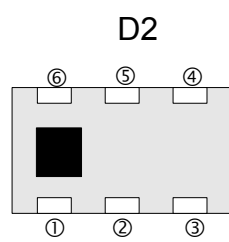


- ① High Frequency Port
- ②④⑥ GND
- ③ Low Frequency Port
- ⑤ Common Port

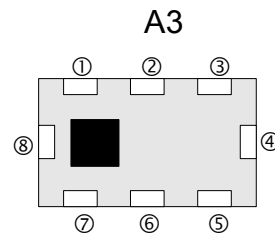
LTD-2012



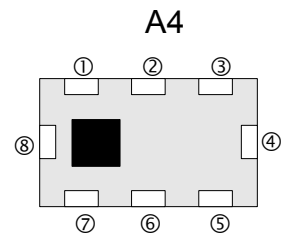
- ① Low Frequency Port
- ③ High Frequency Port
- ⑤ Common Port
- ②④⑥ GND



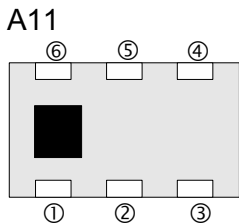
- ① High Frequency Port
- ③ Low Frequency Port
- ⑤ Common Port
- ②④⑥ GND



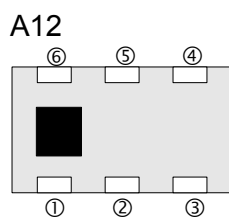
- ① ③ ⑤ ⑥ ⑦ GND
- ② Common Port
- ④ High Frequency Port
- ⑧ Low Frequency Port



- ① ② ③ ⑤ ⑦ GND
- ④ High Frequency Port
- ⑥ Common Port
- ⑧ Low Frequency Port



- ② Common Port
- ④ High Frequency Port
- ⑥ Low Frequency Port
- ①③⑤ GND



- ② Common Port
- ④ Low Frequency Port
- ⑥ High Frequency Port
- ①③⑤ GND

■ 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 2400~2500	-	2.0 max. 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 4900~5850	-	2.0 max. 2.0 max.	-	
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 4900~5850	-	2.0 max. 2.0 max.	-	

**Low Temperature  
Cofired Ceramics Series**

CUTTUNG-EDGE TECHNOLOGY OF RF SOLUTION

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-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-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.				
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.				

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-A11	Common to Low Freq. Port	2400~2500	0.5dB max.	2.0 max.	20dB min. at 4800~6000 MHz 20dB min. at 7200~7500 MHz	A
	Common to High Freq. Port	5150~5850	1.8dB max.	2.0 max.	20dB min. at 2300~2500 MHz 20dB min. at 10300~11700MHz	
	Common Port	2400~2500	-	2.0 max.	-	
5150~5850		2.0 max.				
LTD-2012- 2G4S1-A12	Common to Low Freq. Port	2400~2500	0.5dB max.	2.0 max.	20dB min. at 4800~6000 MHz 20dB min. at 7200~7500 MHz	A
	Common to High Freq. Port	5150~5850	1.8dB max.	2.0 max.	20dB min. at 2300~2500 MHz 20dB min. at 10300~11700MHz	
	Common Port	2400~2500	-	2.0 max.	-	
5150~5850		2.0 max.				

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