

LTCC Multi Layer Ceramic Low Pass Filter- 2012 (0805) size

- RFLPF20120G9D4T
- For 880-915 MHz RF Application

FEATURES

- Miniature footprint: 2.00 x 1.25 x 0.95 mm³
- Multilayer LTCC (Low Temperature Cofired Ceramics) Technology
- Reflow solderable
- Low Insertion Loss
- High attenuation on 2nd and 3rd harmonic suppressed
- Suitable for 0.9 GHz Working Frequency Operation

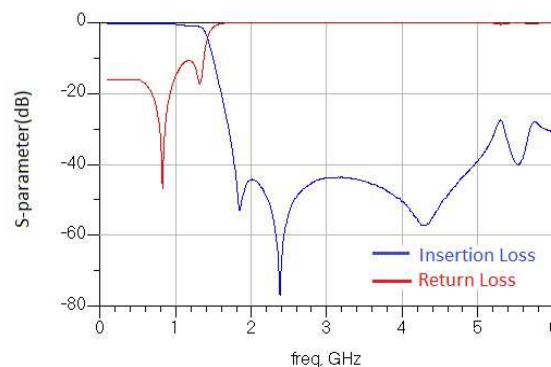
APPLICATIONS

- 880-915 MHz RF Application

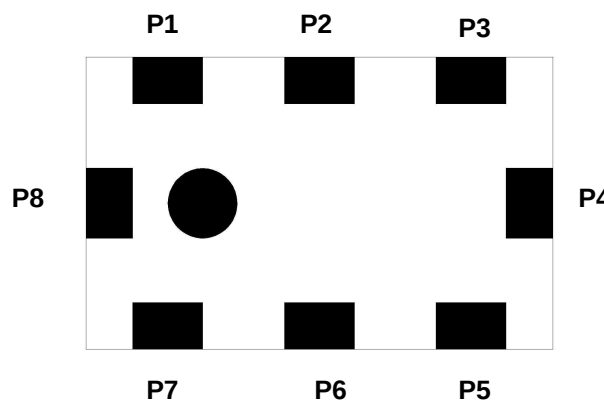
ELECTRICAL CHARACTERISTICS

Item	Specification
Frequency Range	880~915 MHz
Insertion Loss	0.60 dB max. at 25 °C 0.70 dB max. at -40 ~ +85 °C
Attenuation	30.0 dB min. @ 1760.00 ~ 1830.00 MHz 30.0 dB min. @ 2640.00 ~ 2745.00 MHz 25.0 dB min. @ 3520.00 ~ 3660.00 MHz 25.0 dB min. @ 4400.00 ~ 4575.00 MHz 25.0 dB min. @ 5280.00 ~ 5490.00 MHz
Return Loss	1.50 max.
Impedance	50 Ω
Taping Quantity	: 2000pcs per 7" reel
Operating Temperature Range	: -40~ +85°C
Storage Temperature Range	: -10~ +40°C
Humidity	: 30 to 70% relative humidity
Moisture sensitivity levels	: LEVEL 1 (Refer to : IPC/JEDEC J-STD-020)

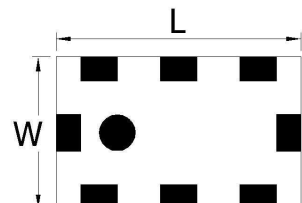
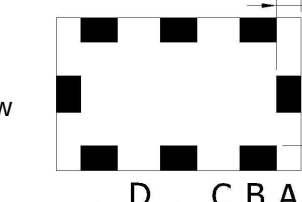
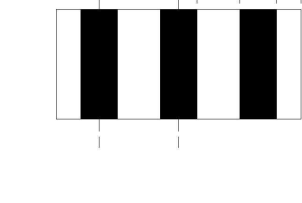
TYPICAL ELECTRICAL PERFORMANCE

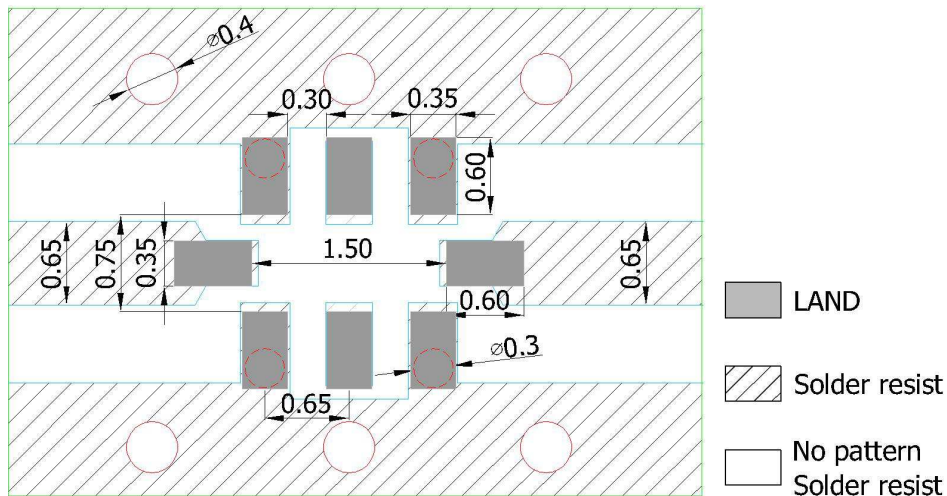


CONSTRUCTION

Figure	PIN	Connection
Top view 	P1	GND
	P2	NC
	P3	GND
	P4	Output port
	P5	GND
	P6	NC
	P7	GND
	P8	Input port

DIMENSIONS

Figure	Symbol	Dimension (mm)
Top view  Bottom view  Side view 	L	2.00 ± 0.15
	W	1.25 ± 0.15
	T	0.95 ± 0.10
	A	0.20 ± 0.15
	B	0.30 ± 0.15
	C	0.35 ± 0.15
	D	0.65 ± 0.15
	E	0.20 ± 0.15
	F	0.20 ± 0.15
	G	0.475 ± 0.15
	H	0.30 ± 0.15

SOLDER LAND PATTERN

Unit : mm

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

For more information, please contact with

Walsin Technology Corporation.**Tel :** 886-3-475-8711**Fax :** 886-3-475-5197**E mail :** info@passivecomponent.com**Web Site :** <http://www.passivecomponent.com>*Specification subject to change without prior notice.*