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

- **RFLPF20120G9D3T**
- **For 858-878 MHz Working Frequency Application**

FEATURES

- Miniature footprint: 2.00 x 1.25 x 0.95 mm^3
- 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

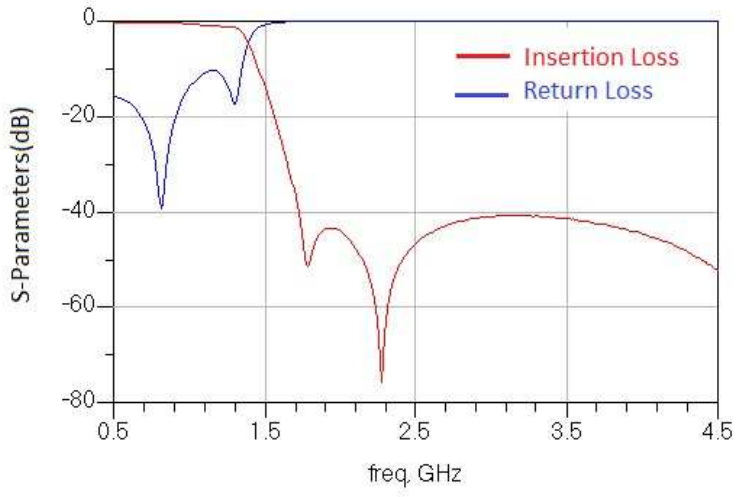
- 858-878 MHz RF Application

ELECTRICAL CHARACTERISTICS

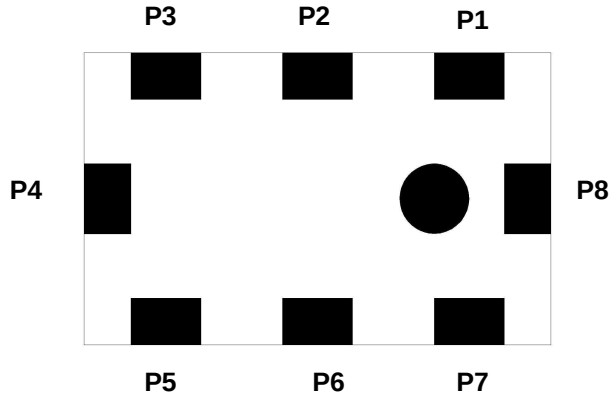
Item	Specification
Frequency Range	858~878 MHz
Insertion Loss	0.5 dB max. at 25°C
Attenuation	30 dB min. @ 1716 MHz ~ 1756 MHz 40 dB min. @ 2574 MHz ~ 2634 MHz
Return Loss	14 dB min.
Impedance	50 Ω

Taping Quantity	: 2000pcs per 7" reel
Operating Temperature Range	: -40~ +85℃
Storage Temperature Range	: -10~ +40℃
Humidity	: 30 to 70% relative humidity
Moisture sensitivity levels	: LEVEL 1 (Refer to : IPC/JEDEC J-STD-020)

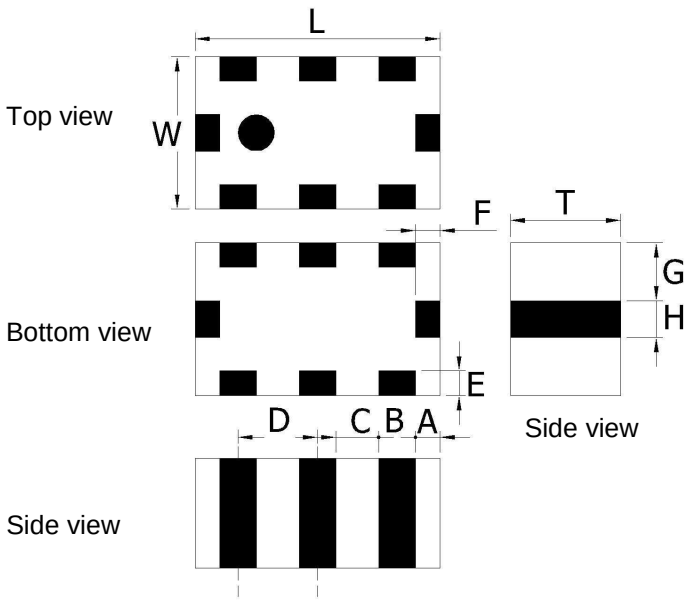
TYPICAL ELECTRICAL PERFORMANCE



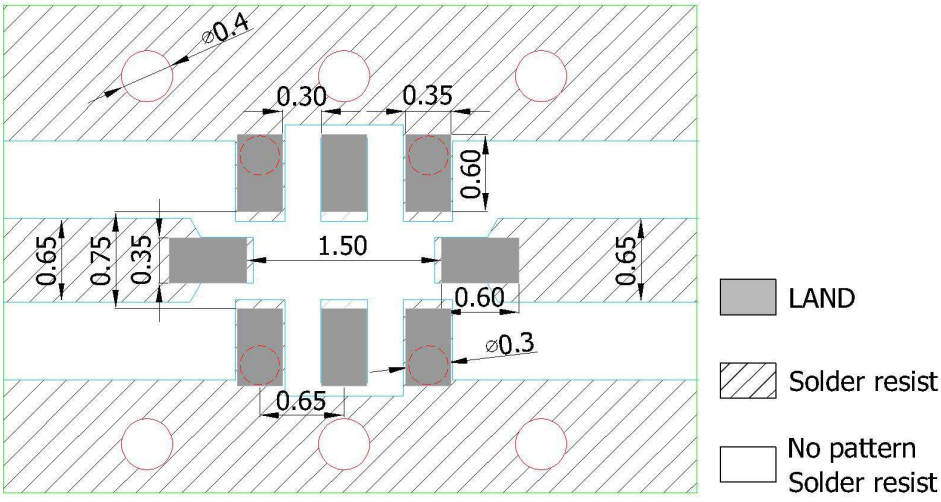
CONSTRUCTION

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)
	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

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Specification subject to change without prior notice.