LTCC Multi Layer Ceramic Low Pass Filter- 1005 (0402) size

– **RFLPF10051G8D8T**

FEATURES

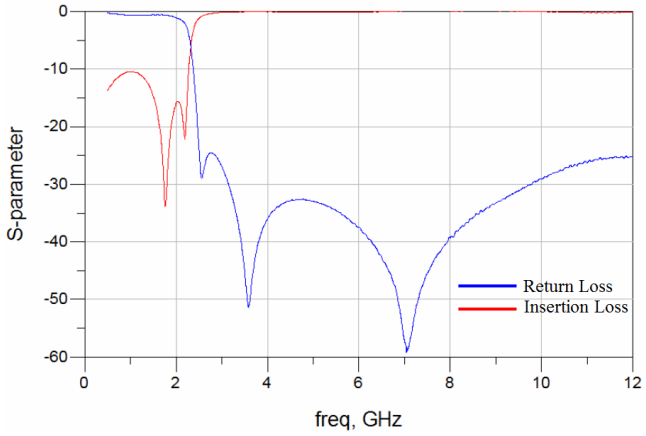
- Miniature footprint: 1.0 X 0.5 X 0.4 mm^3.
- Low Profile Thickness
- Low Insertion loss
- High attenuation on harmonic suppressed
- LTCC process

APPLICATIONS

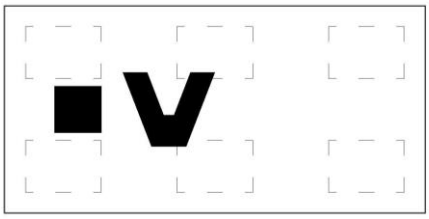
- 1880 ~ 2025 MHz working frequency.
- GSM,DCS,PCS,PHS related applications.

ELECTRICAL CHARACTERISTICS

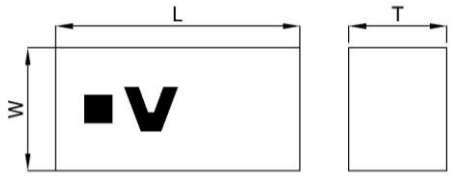
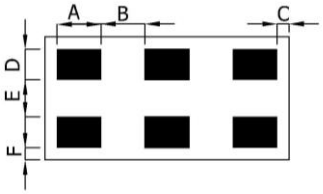
Item	Specification
Frequency Range	1880 ~ 2025 MHz
Insertion Loss	1.40 dB max. at 25℃ 1.60 dB max. at -40 ~ +85℃
Attenuation	10 dB min. @ 2400 ~ 2500 MHz 22 dB min. @ 3760 ~ 4050 MHz 22 dB min. @ 5150 ~ 5850 MHz 22 dB min. @ 5640 ~ 6075 MHz
VSWR	2 max.
Impedance	50 Ω
Moisture sensitivity levels	LEVEL 1 (Refer to : IPC/JEDEC J-STD-020)
Operating & Storage Condition (Component) Operation Temperature Range: -40 ~ +85 ℃ Storage Temperature Range: -40 ~ +85 ℃	
Storage Condition before Soldering (Included packaging material) Taping Quantity: 4000pcs per 7” reel Storage Temperature Range: +5 ~ +40 ℃ Humidity: 30 to 70% relative humidity	



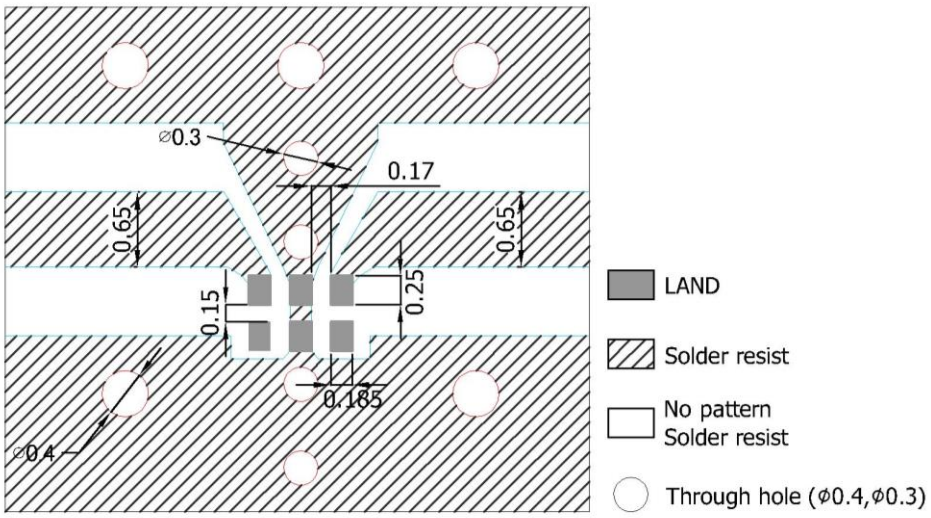
CONSTRUCTION

Figure	PIN	Connection
Top view P6 P5 P4  P1 P2 P3	1	NC
	2	GND
	3	NC
	4	Output port
	5	GND
	6	Input port

DIMENSIONS

Figure	Symbol	Dimension (mm)
Top view  Side view  Bottom view 	L	1.00 ± 0.10
	W	0.50 ± 0.10
	T	0.40 max.
	A	0.18 ± 0.05
	B	0.18 ± 0.05
	C	0.05± 0.05
	D	0.125 ± 0.05
	E	0.15 ± 0.05
	F	0.05 ± 0.05

LAND PATTERN

Figure


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.