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

– RFLPF2012100F1T Series

FEATURES

- Miniature footprint: 2.00 X 1.25 X 1.05 mm^3.
- Low Profile Thickness
- Low Insertion loss
- LTCC process

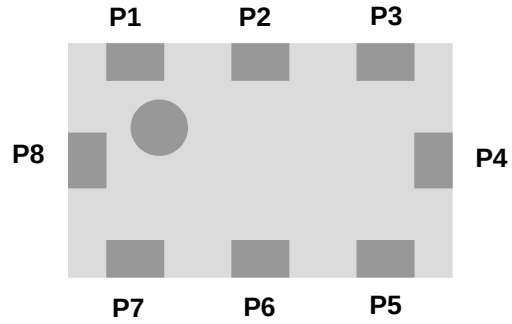
APPLICATIONS

- 1.71~ 2.17GHz band RF applications
- WCDMA, CDMA 2000

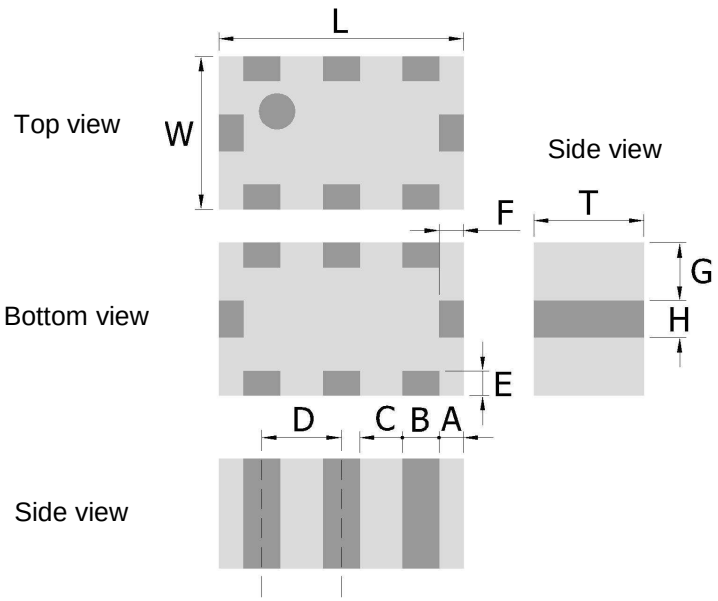
ELECTRICAL CHARACTERISTICS

Item	Specification
Frequency Range	1710 ~ 2170 MHz
Insertion Loss	0.8 dB typ. 1.0 dB max.
VSWR	1.43 typ.
Impedance	50 Ω
Attenuation (dB typ.)	18 dB typ.@ 2400 ~2500 MHz 28 dB typ.@ 3250 ~ 3350 MHz 25 dB typ.@ 3420 ~ 3570 MHz 23 dB typ.@ 3700 ~ 3820 MHz 23 dB typ.@ 3840 ~ 3960 MHz 23 dB typ.@ 4100 ~ 4600 MHz 27 dB typ.@ 4905 ~ 5845 MHz 23 dB typ.@ 5850 ~ 6400 MHz 14 dB typ.@ 6600 ~ 7350 MHz
Taping Quantity	: 2000pcs per 7” reel
Operating Temperature Range	: -40~ +85℃
Storage Temperature Range	: -10~ +40℃
Humidity	: 30 to 70% relative humidity

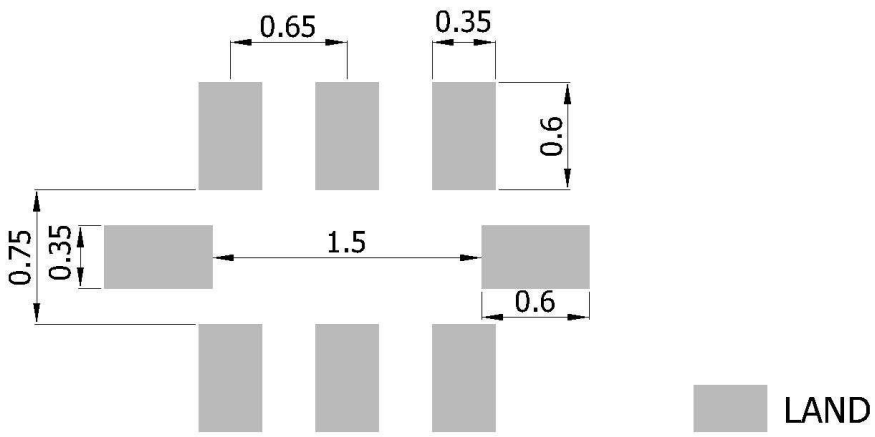
CONSTRUCTION

Figure	PIN	Connection
Top view 	1	GND
	2	NC
	3	GND
	4	OUTPUT Port
	5	GND
	6	NC
	7	GND
	8	INPUT Port

DIMENSIONS

Figure	Symbol	Dimension (mm)
	L	2.00 ± 0.15
	W	1.25 ± 0.10
	T	1.05 max.
	A	0.20 ± 0.10
	B	0.30 ± 0.10
	C	0.35 ± 0.10
	D	0.65 ± 0.10
	E	0.20 ± 0.10
	F	0.20 ± 0.10
	G	0.475 ± 0.10
	H	0.30 ± 0.10

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.