

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

- **RBBPF2010A10T**
- **For ISM 2.4GHz Band Working Frequency**

FEATURES

- Miniature footprint: 2.0 X 1.25 X 1.0 mm³
- Low Profile Thickness
- High Rejection
- LTCC process

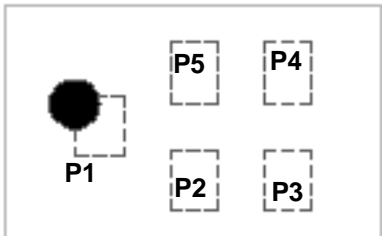
APPLICATIONS

- ISM 2.4GHz band RF application
- Bluetooth, Wireless LAN 802.11b/g, HomeRF

ELECTRICAL CHARACTERISTICS

Item	Specification
Frequency range	2400 ~ 2500 MHz
Insertion Loss	1.3 dB max.
Attenuation	38 dB min. @ 50 ~ 960MHz 17 dB min. @ 1710 ~ 1990 MHz 5 dB min. @ 3200 MHz 30 dB min. @ 4800 ~ 5000 MHz 25 dB min. @ 7200 ~ 7500 MHz
VSWR	2.0 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	: MSL is LEVEL 1 (Refer to : IPC/JEDEC J-STD-020)

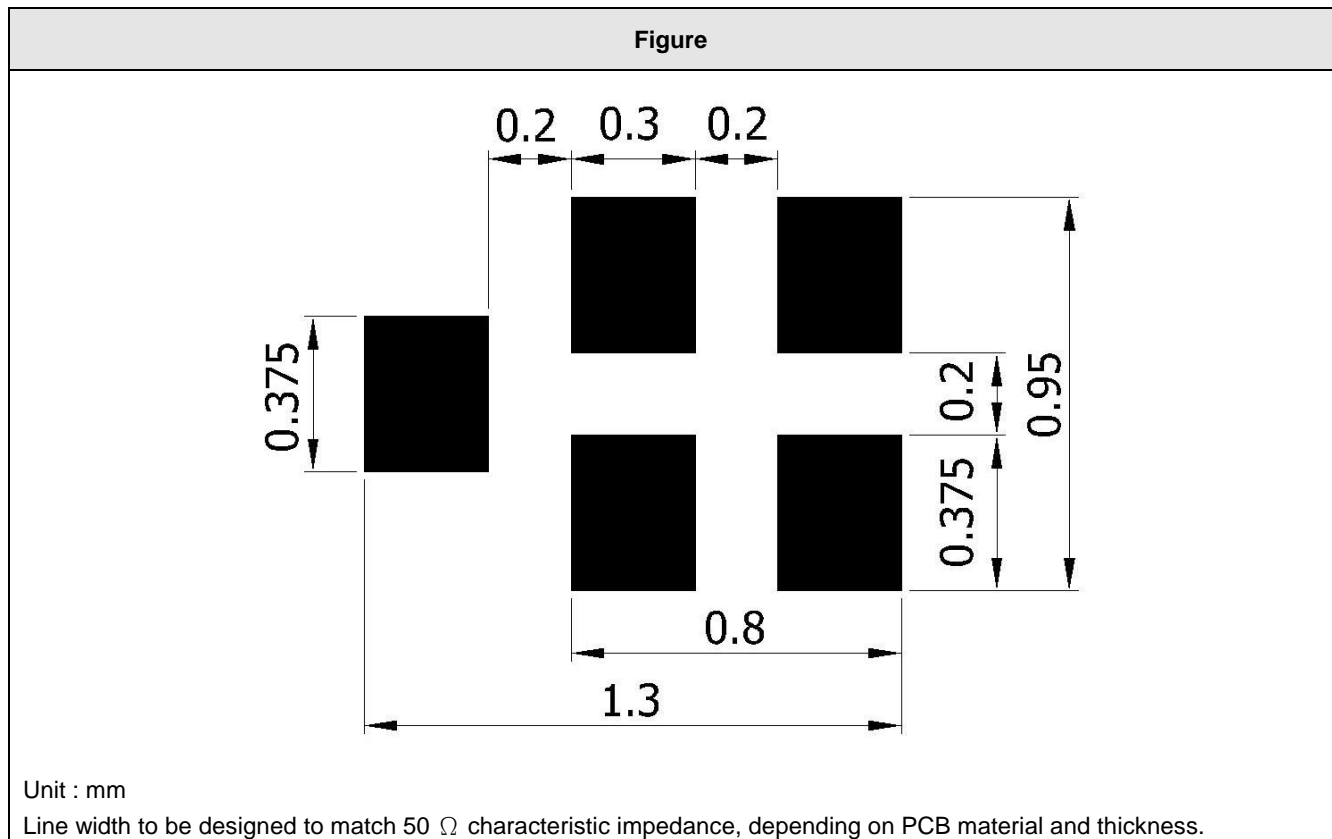
CONSTRUCTION

Figure	PIN	Connection
Top view 	1	Input port
	2	GND
	3	GND
	4	Output port
	5	GND

DIMENSIONS

Figure		Symbol	Dimension (mm)
Top view		L	2.00 ± 0.20
		W	1.25 ± 0.20
Side view		T	1.00 max
Bottom view		A	0.325 ± 0.10
		B	0.375 ± 0.10
		C	0.25 ± 0.10
		D	0.25 ± 0.10
		E	0.25 ± 0.10
		F	0.25 ± 0.10
		G	0.25 ± 0.10
		H	0.25 ± 0.10
		I	0.175 ± 0.010

SOLDER LAND PATTERN



CONTACT INFORMATION

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Specification subject to change without prior notice.