LTCC Multi Layer Ceramic Balanced Filter- 2012 (0805) size

– RFBPB2012090AY7N3T

FEATURES

- Miniature footprint: 2.00 X 1.20 X 0.95 mm^3
- Low Profile Thickness
- Low Insertion loss
- High Rejection Rate
- High attenuation on 2^{nd} harmonic suppressed
- Allowable for DC biasing.
- LTCC process

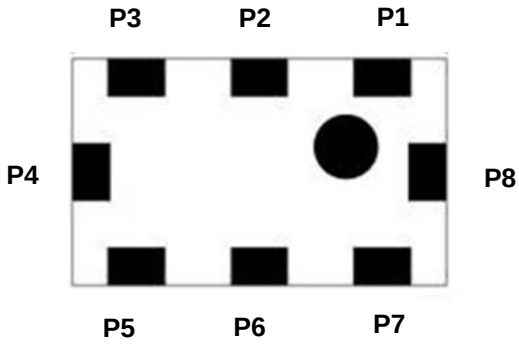
APPLICATIONS

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

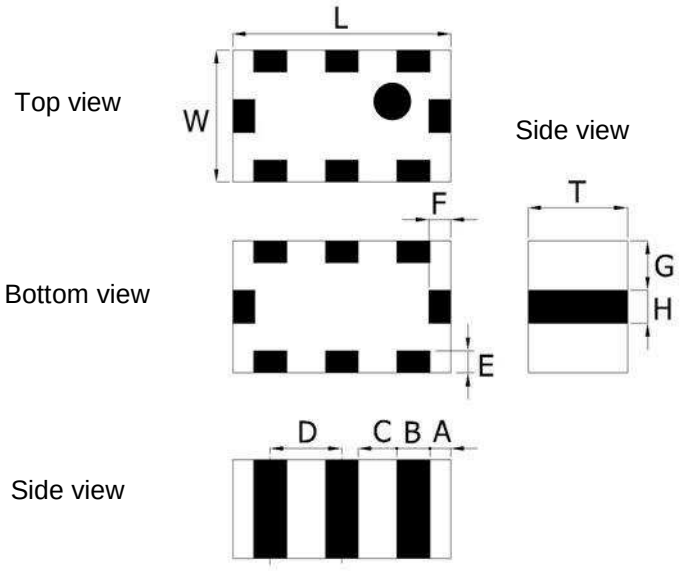
ELECTRICAL CHARACTERISTICS

Item	Specification
Frequency range	2450 ± 50 MHz
Insertion Loss	2.8 dB max.
Amplitude Difference	2 .0 dB Max.
Attenuation (min.)	30dB @ 880~960 MHz 30dB @ 1710~1880 MHz 20dB @ 1880~1990 MHz 30dB @ 4800~5000 MHz
VSWR	2.0 max.
Phase Difference	180° ± 10°
Impedance (Unbalanced)	50 Ω
Impedance (Balanced)	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)

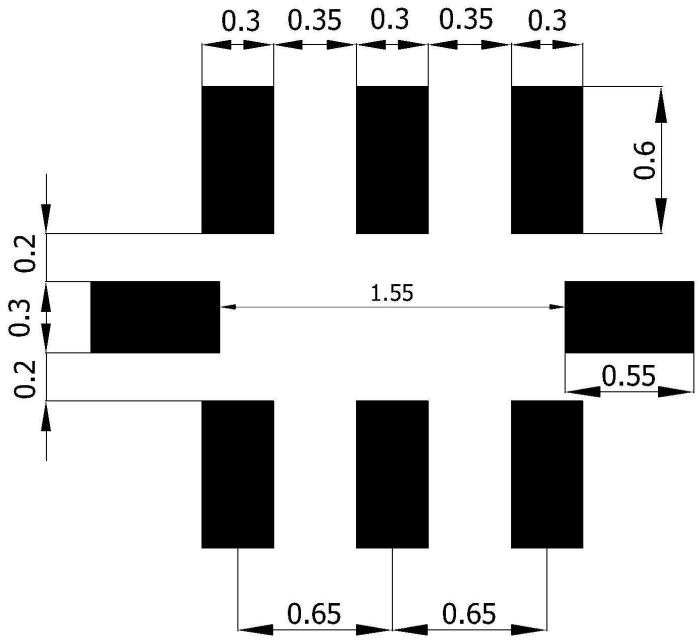
CONSTRUCTION

Figure	PIN	Connection
Top view 	1	Unbalanced port
	2	NC or DC feed
	3	NC
	4	GND
	5	Balance Port
	6	GND
	7	Balance Port
	8	GND

DIMENSIONS

Figure	Symbol	Dimension (mm)
	L	2.00 ± 0.15
	W	1.25 ± 0.15
	T	0.95 ± 0.15
	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

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Specification subject to change without prior notice.