

LTCC Multi Layer Ceramic Band Pass Filter- 1608 (0603) size

– RFBPF1606K358Q1C

FEATURES

- Miniature footprint: 1.6 X 0.8 X 0.6 mm³
- Loss Insertion Loss
- High Rejection Rate
- LTCC process

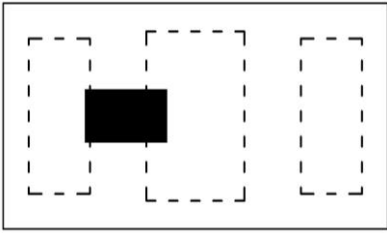
APPLICATIONS

- 5150 ~ 7125 MHz working frequency

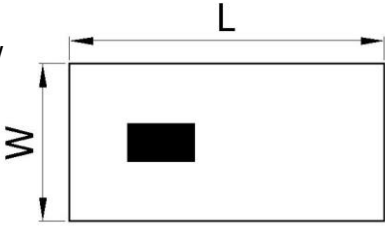


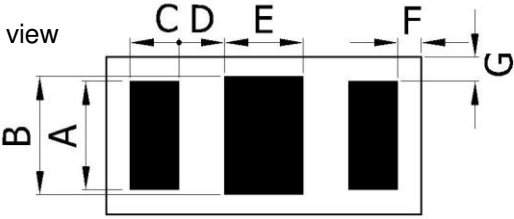
ELECTRICAL CHARACTERISTICS

Item	Specification
Frequency Range	5150 ~ 7125 MHz
Insertion Loss	0.9 dB typ. at +25°C
Attenuation	45 dB typ. @ 100 – 960 MHz 43 dB typ. @ 1160 – 1250 MHz 41 dB typ. @ 1420 – 1610 MHz 41 dB typ. @ 1690 – 2200 MHz 41 dB typ. @ 2300 – 2370 MHz 42 dB typ. @ 2400 – 2490 MHz 42 dB typ. @ 2490 – 2690 MHz 48 dB typ. @ 3300 – 3800 MHz 25 dB typ. @ 3800 – 4200 MHz 42 dB typ. @ 9600 – 9800 MHz 45 dB typ. @ 10300 – 11850 MHz 34 dB typ. @ 11850 – 14250 MHz 24 dB typ. @ 15450 – 21750 MHz
VSWR	2.0
Impedance	50 Ω
Power Capacity	2W max.
Moisture sensitivity levels	MSL is LEVEL 1 (Refer to : IPC/JEDEC J-STD-020)
HBM ESD	Pass 1KV on all pins (Base on AEC-Q200-002)
MM ESD	Pass 200V (Base on EIA/JESD22-A115)
Operating & Storage Condition (Component)	
Operation Temperature Range: -40 ~ +85 °C	
Storage Temperature Range: -40 ~ +85 °C	
Storage Condition before Soldering (Included packaging material)	
Taping Quantity : 4000pcs per 7" reel	
Storage Temperature Range: +5 ~ +40 °C	
Humidity: 30 to 70% relative humidity	

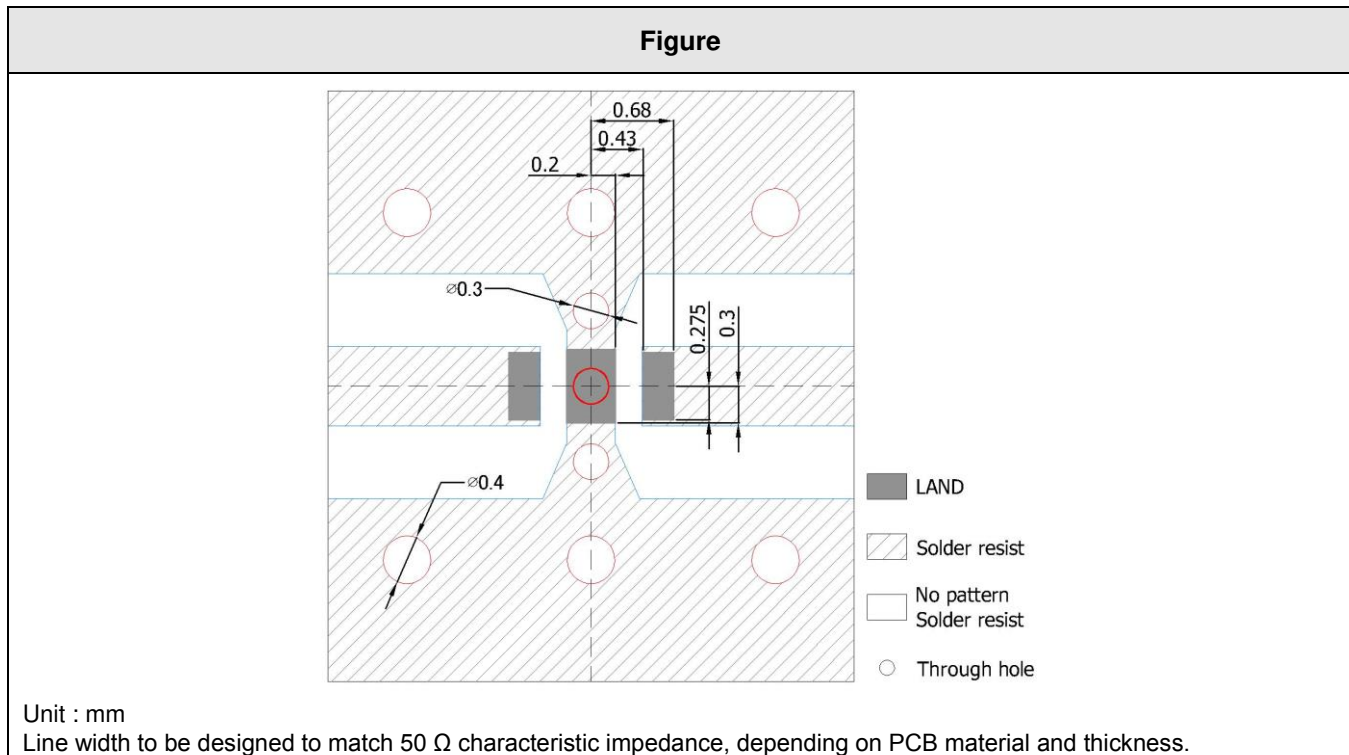
CONSTRUCTION

Figure	PIN	Connection
Top view 	1	Input
	2	GND
	3	Output

DIMENSIONS

Figure	Symbol	Dimension (mm)
Top view 	L	1.60 ± 0.10
	W	0.80 ± 0.10
Side view 	T	0.60 ± 0.10
	A	0.55 ± 0.10
Side view 	B	0.60 ± 0.10
	C	0.25 ± 0.10
Bottom view 	D	0.23 ± 0.10
	E	0.40 ± 0.10
	F	0.12 ± 0.10
	G	0.125 ± 0.10

LAND PATTERN



CONTACT INFORMATION

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Specification subject to change without prior notice.