



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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**Preliminary Product Information**

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

- RFBPF1608060K98Q1C Low Profile Design
- For 5 GHz ISM Band Application

**FEATURES**

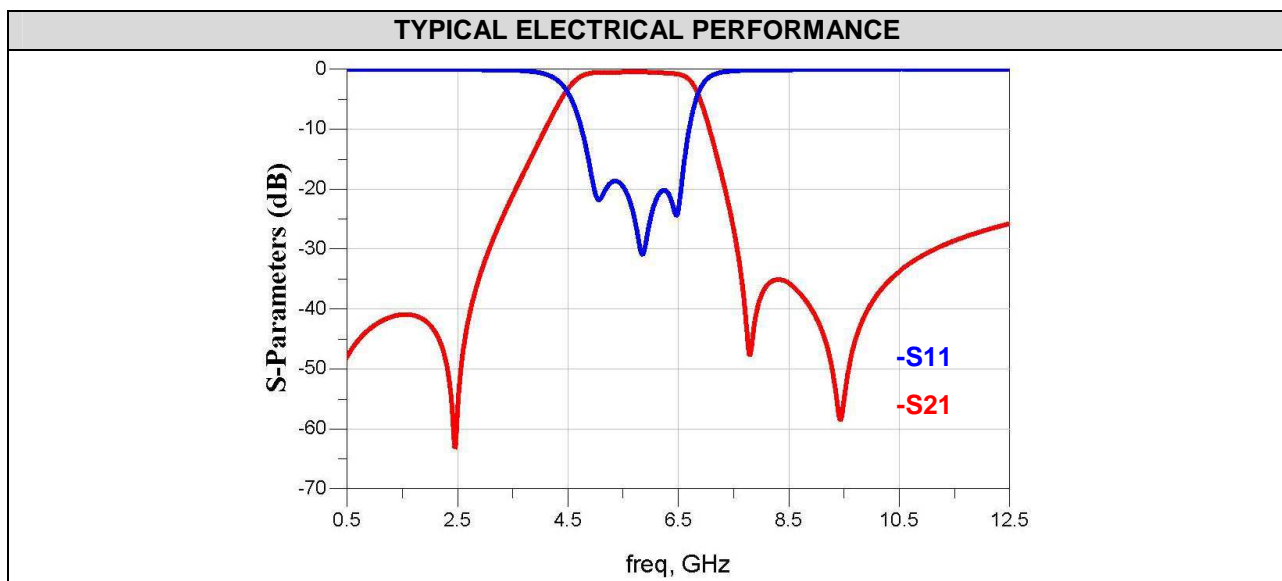
- Miniature footprint: 1.6X 0.8 X 0.6 mm<sup>3</sup>
- Low Insertion loss
- High attenuation on harmonic suppressed
- LTCC process

**APPLICATIONS**

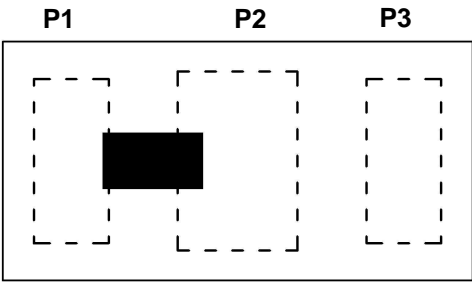
- 5150 - 5950 MHz band RF applications.

**ELECTRICAL CHARACTERISTICS**

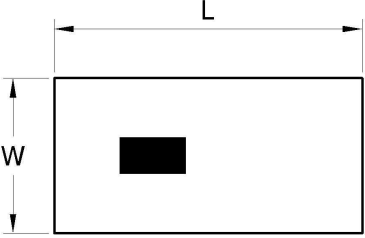
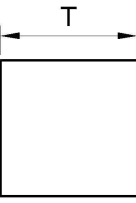
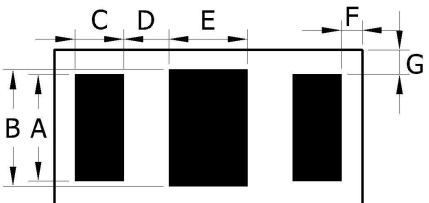
Item	Specification
Frequency range	5150 - 5950 MHz
Insertion Loss	0.6 dB Max.
Attenuation	40.0 dB min. @ 30 - 2700 MHz 12.0 dB min. @ 7250 - 7800 MHz 20.0 dB min. @ 10300 - 11700 MHz
VSWR	2.0 max.
Impedance	50 Ω
Operation Temperature Range	-40°C - +85°C
Taping Quantity : 4000pcs per 7" reel Operating 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)	



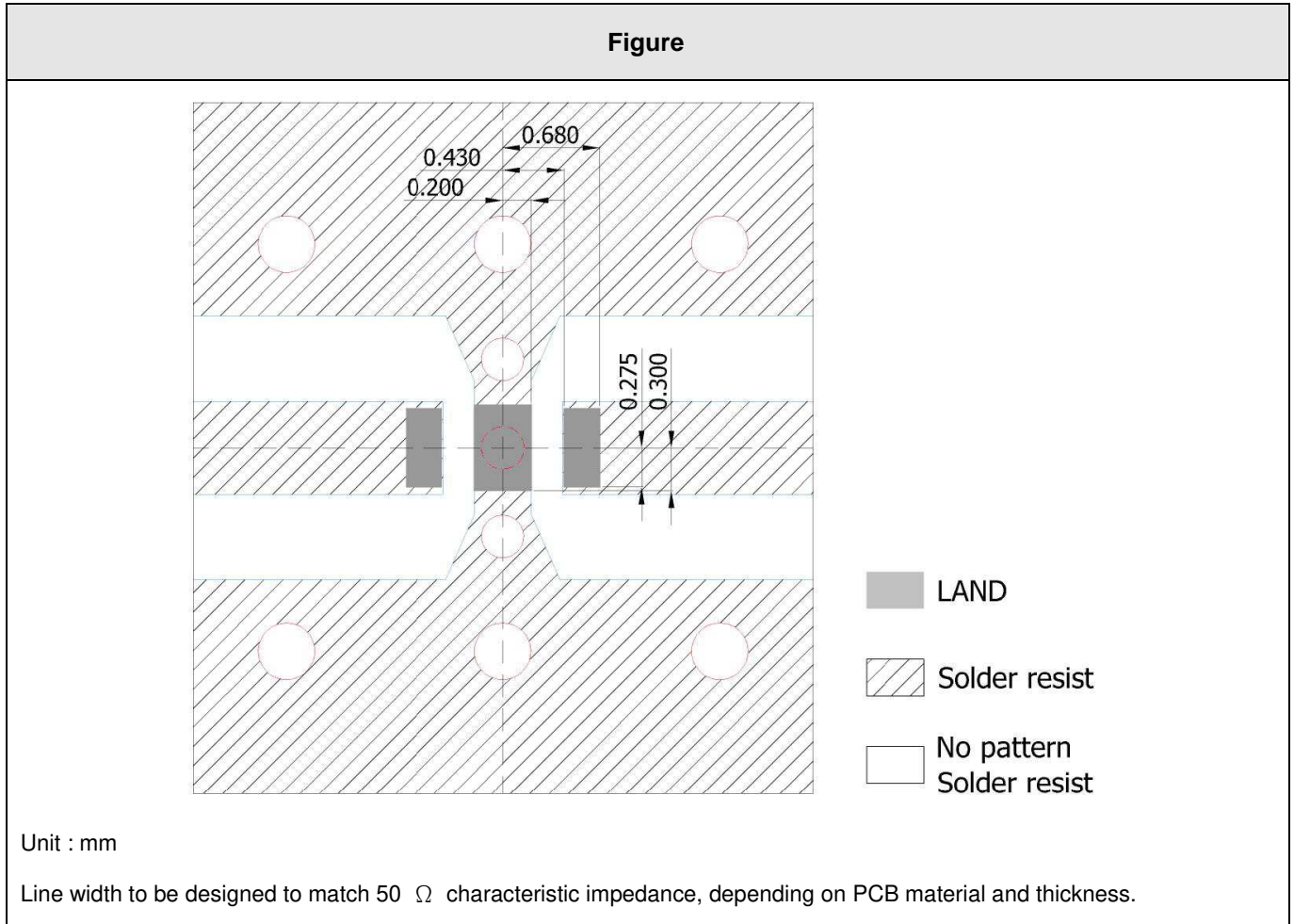
**CONSTRUCTION**

Figure	PIN	Connection
Top view 	1	Input Port
	2	GND
	3	output Port

**DIMENSIONS**

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

**SOLDER LAND PATTERN**



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*Specification subject to change without prior notice.*