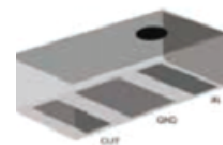


CF1007

**3600 MHz
LTCC Filter**



2.0 x 1.25 mm

- **Complies with Directive 2002/95/EC (RoHS)**
- **Moisture Sensitivity Level: 1**

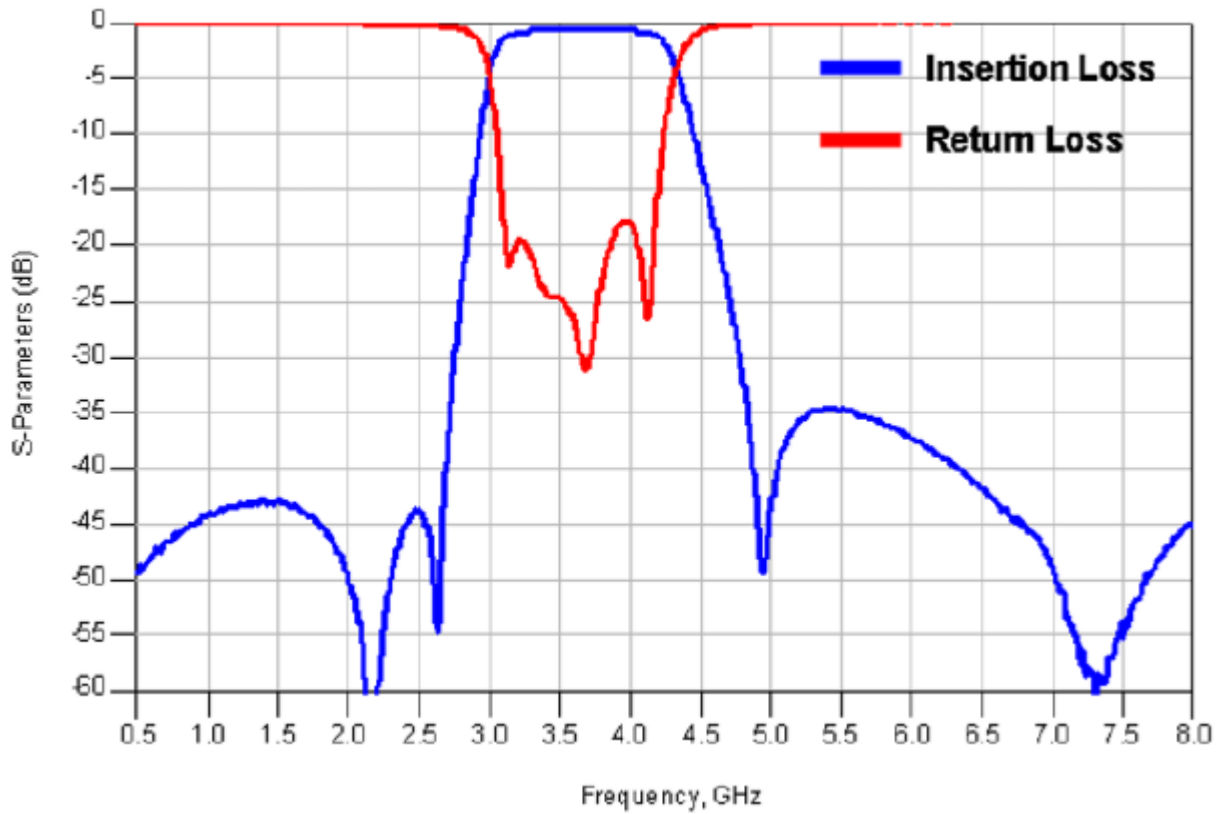
Absolute Maximum Ratings

Rating	Value	Units
Input Power Level	2	W
Operable Temperature Range	-40 to +85	°C
Storage Temperature Range	-40 to +85	°C

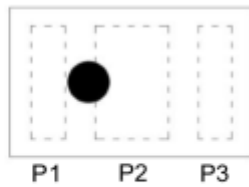
Electrical Characteristics

Parameters	Unit	Specifications	Remark
Center Frequency (Fc)	MHz	3600.0	
Pass Band Width (BW)	MHz	3400.0 ~ 3800.0	
Insertion Loss (at 25°C)	dB	1.2 max. @ 3400 ~ 3600 MHz 1.5 max. @ 3600 ~ 3800 MHz	
Insertion Loss (at -40~ +85°C)	dB	1.4 max. @ 3400 ~ 3600 MHz 1.7 max. @ 3600 ~ 3800 MHz	
Attenuation	dB	38 min. @ 698 ~ 2170 MHz 28 min. @ 2300 ~ 2700 MHz 30 min. @ 4900 ~ 5850 MHz	
Return Loss	dB	10 min.	
Characteristics impedance	Ω	50	
Power Capacity	W	2 max.	
Moisture sensitivity levels		LEVEL 1	

Frequency Characteristics



Top view



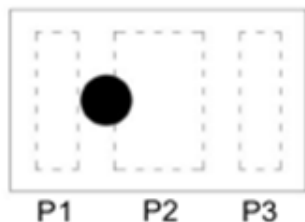
PIN	Connection
P1	Input port
P2	GND
P3	Output port

DIMENSIONS

Figure	Symbol	Dimension (mm)
	L	2.00 ± 0.15
	W	1.25 ± 0.15
	T	0.65 max.
	A	0.95 ± 0.10
	B	0.275 ± 0.10
	C	0.25 ± 0.10
	D	0.60 ± 0.10
E	0.175 ± 0.10	
F	0.15 ± 0.10	

Dimensions (unit: mm)

Top view

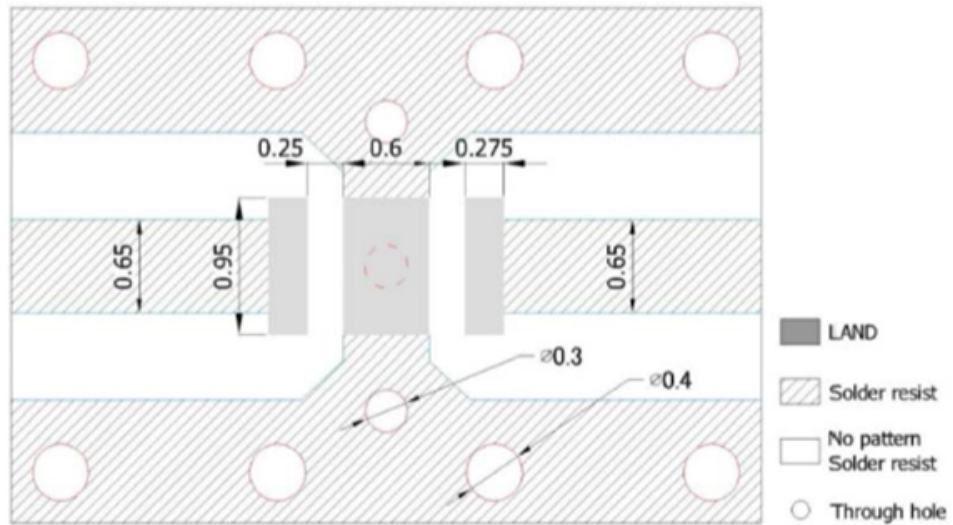


PIN	Connection
P1	Input port
P2	GND
P3	Output port

DIMENSIONS

Figure	Symbol	Dimension (mm)
<p>Top view</p>	L	2.00 ± 0.15
	W	1.25 ± 0.15
<p>Bottom view</p>	A	0.95 ± 0.10
	B	0.275 ± 0.10
	C	0.25 ± 0.10
	D	0.60 ± 0.10
	E	0.175 ± 0.10
<p>Side view</p>	T	0.15 ± 0.10

Recommended Footprint (PCB Layout)

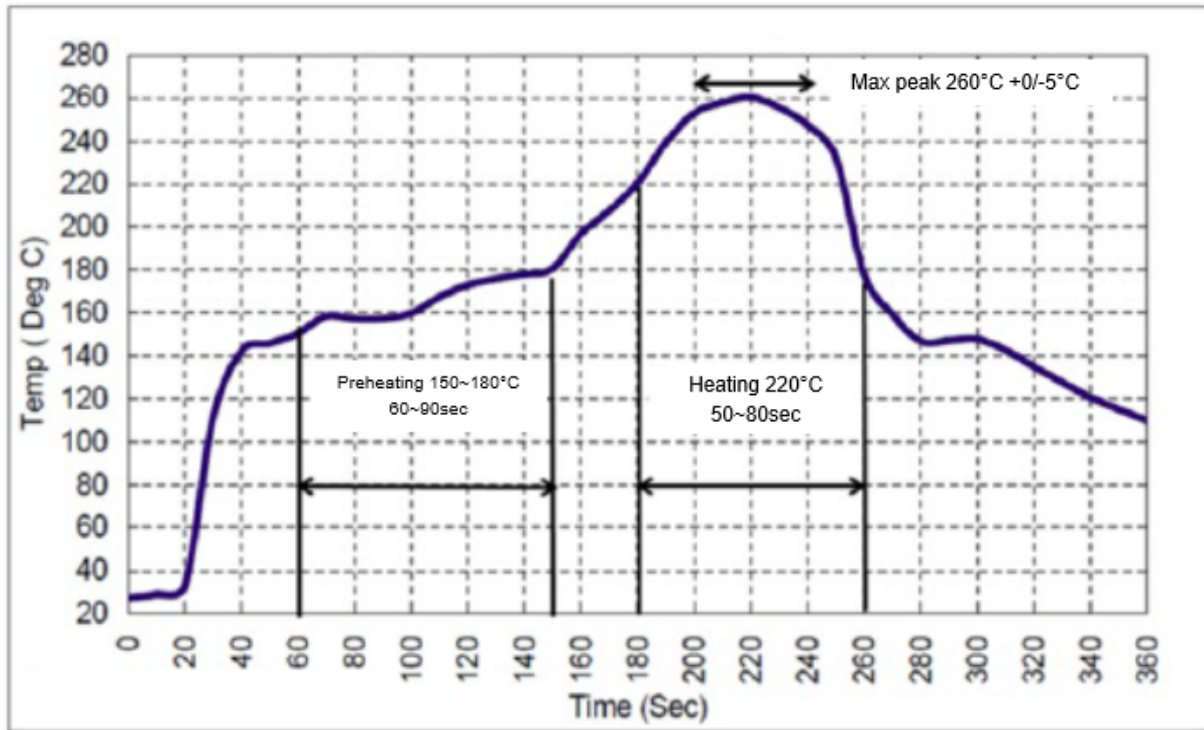


Unit : mm

Line width to be designed to match 50Ω characteristic impedance, depending on PCB material and thickness.

Recommended Reflow Profile

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 260°C +0/-5°C peak (10 seconds).



CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

NOTES:

1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. This component was always RoHS compliant from the first date of manufacture.