

# LTCC 带通滤波器 (LTCC Bandpass Filter)

HT-BFCN-1560+

50 Ω 1500MHz to 1620MHz

## The Big Deal

- Small size 1206 Surface Mount Footprint
- Very high rejection over wide band
- Power Handling: 1.5 Watts

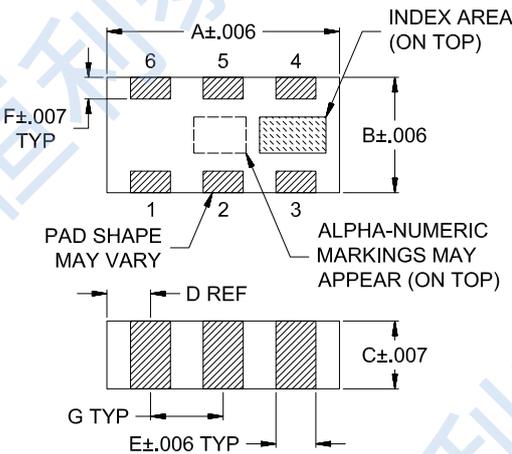
## Features and Applications

- Small size
- Temperature stable
- Hermetically sealed
- LTCC construction
- Harmonic Rejection

## Pad Connections

Input	1
Output	3
Ground	2, 4, 5, 6

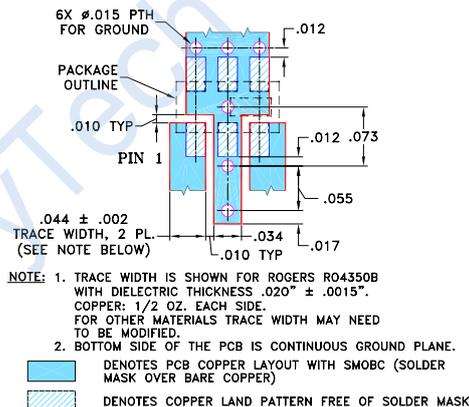
## Outline Drawing



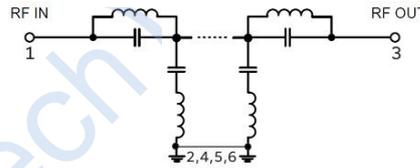
## Outline Dimensions : inch mm

A	B	C	D	E	F	G	Wt.
.126	.063	.035	.024	.022	.011	.039	grams
3.20	1.60	0.89	0.61	0.56	0.28	0.99	.020

## Suggested PCB Layout



## Functional Schematic

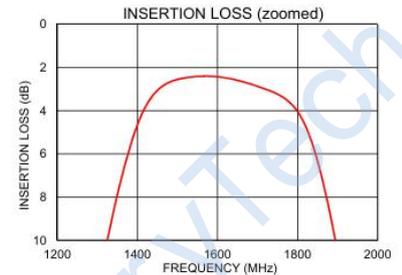
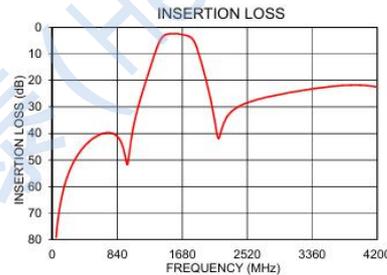


## Electrical Specifications(1) at 25°C

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Units
Pass band	Center Frequency	—	1560	—	MHz
	Insertion Loss	1500-1620	—	5	dB
	Return Loss	1500-1620	11.73	—	dB
Stop Band	Rejection	DC-1040	—	30	dB
		1100	20	—	
		2100	20	—	
		2105-4200	—	30	

1. This component should not be used as a DC-block. In applications where DC voltage and/or current is present at either the input or output ports, external DC blocking capacitors are required.

## Typical Performance Data at 25°C



## Maximum Ratings

Operating Temperature	-55°C to +125°C
Storage Temperature	-55°C to +125°C
RF Power Input*	1.5W at 25°C

- \*1. Permanent damage may occur if any of these limits are exceeded.
2. Power rating applies only to signals within the passband.

