

# LTCC 带通滤波器 (LTCC Bandpass Filter) HT-B5032-1300-2300M+

## Features

- Low Insertion Loss.
- Excellent power handling.
- Good rejection.
- Temperature stable.
- LTCC construction, and has good moisture resistance, corrosion resistance, high reliability.

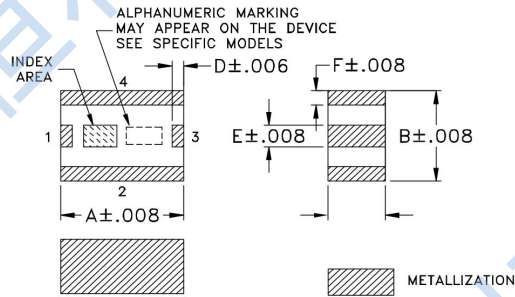
## Applications

- Harmonic Rejection.
- Transmitters / Receivers.
- Harmonic Rejection.
- SATCOM.

## Pad Connections

Input	1
Output	3
Ground	2, 4

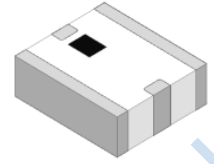
## Outline Drawing



## Outline Dimensions : mm

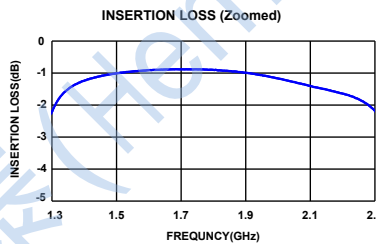
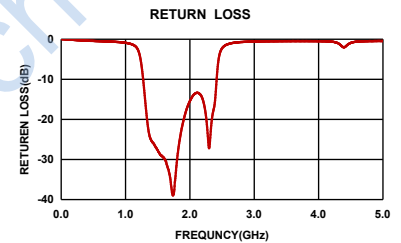
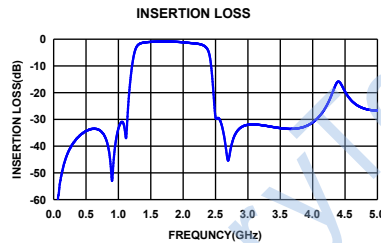
A	B	C	D	E	F	Unit
5.0±0.3	3.2±0.25	2.0 Max.	0.40	1.00	0.40	±0.2mm

50 Ω  
1300MHz to 2300MHz

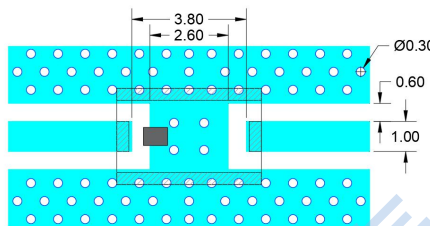


## Electrical Specifications at 25°C

Parameter		Frequency (MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	—	—	1800	—	MHz
	Insertion Loss	1300-2300	—	—	3.2	dB
	Return Loss	1300-2300	9.6	—	—	dB
	In-band Ripple	1300-2300	—	—	1.5	dB
Stop Band	Rejection	1-1100	25	—	—	dB
		2500-4000	25	—	—	dB



## Suggested PCB Layout



- Note:
1. The line width and line spacing are as shown in the figure. Use 0.508 mm thick RO4350B dielectric material with 1/2 oz copper cladding on both sides. If other materials are used, the line width and spacing may need to be adjusted.
  2. The bottom side of the PCB shall be fully covered with copper.
  3. Unit : mm

## Maximum Ratings

Operating Temperature	-55°C to +125°C
Storage Temperature	-55°C to +125°C
RF Power Input*	2W at 25°C

\*Permanent damage may occur if any of these limits are exceeded.