

LTCC 带通滤波器 (LTCC Bandpass Filter) HT-B5032-2600-4600M+

Features

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

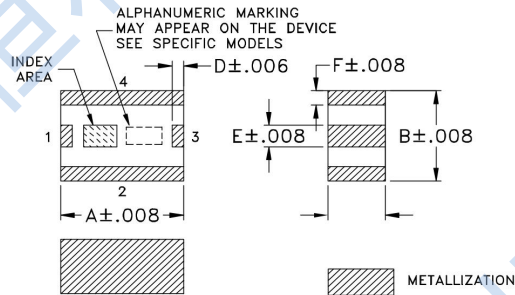
Applications

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

Pad Connections

Input	1
Output	3
Ground	2, 4

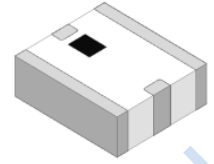
Outline Drawing



Outline Dimensions : mm

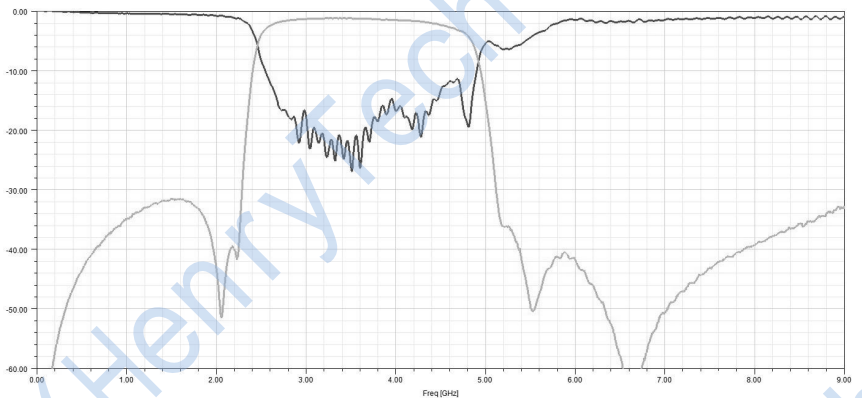
A	B	C
5.00±0.30	3.20±0.25	2.0 Max.
D	E	F
0.40±0.15	1.00±0.20	0.40±0.15

50 Ω
2600MHz to 4600MHz

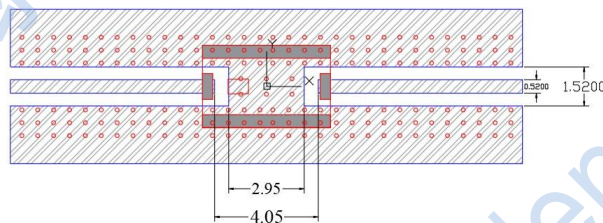


Electrical Specifications at 25°C

Parameter		Frequency (MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	—	—	3600	—	MHz
	Insertion Loss	2600-4600	—	3.5	—	dB
	In-band Ripple	2600-4600	—	—	1.5	
	VSWR	2600-4600	—	—	1.8	:1
Stop Band	Rejection	2200	25	—	—	dB
		5200	25	—	—	



Suggested PCB Layout



- Note:
1. The line width and line spacing are as shown in the figure. Use 0.254 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.