

LTCC 带通滤波器 (LTCC Bandpass Filter)

HT-BFHK-1572+

50 Ω 13.9GHz to 17.5GHz

The Big Deal

- LTCC Band Pass Filter with Integrated Interposer Board
- Ultra-High Stopband Rejection Structure – 70 dB typical
- Small Size, 1812 (4.5mm x 3.2mm)
- Shielded Construction

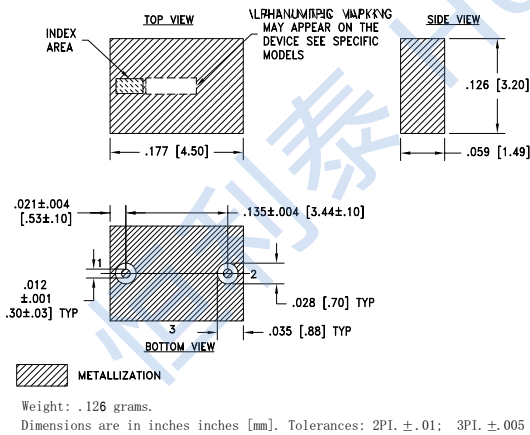
Features and Applications

- Test & Measurement Equipment

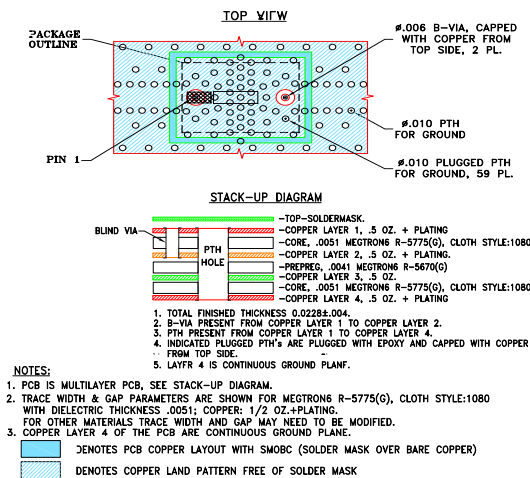
Pad Connections

Input	1
Output	2
Ground	3

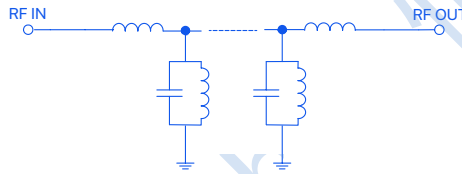
Outline Drawing



PCB Land Pattern



Functional Schematic

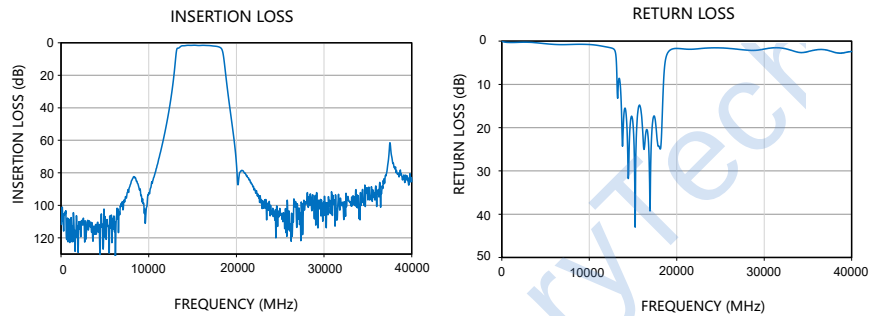


Electrical Specifications(1) at 25°C

Parameter	Frequency (GHz)	Min.	Typ.	Max.	Unit
Center Frequency	—	—	15.6	—	GHz
Pass Band Insertion Loss	13.9 - 17.5	—	2.8	4.0	dB
Pass Band Return Loss	13.9 - 17.5	—	12	—	dB
Stop Band, Lower Insertion Loss	0.1 - 10.3	70	80	—	dB
Stop Band, Upper Insertion Loss	21.3 - 35	60	70	—	dB
Stop Band, Lower Return Loss	35 - 40	50	60	—	dB

(1) Measured on Fenghua Characterization Test Board T-11.

Typical Performance Data at 25°C



Notes

- The specifications are tested at 25°C±5°C, relative humidity 55~75%.
- Other quality and characteristic not specify in this datasheet. Please contact us for detail requirements.

Maximum Ratings

Operating Temperature	-55°C to +100°C
Storage Temperature	-55°C to +100°C
RF Power Input*	1W at 25°C

*Passband rating, derate linearly to 0.7W at 125°C ambient. Permanent damage may occur if any of these limits are exceeded.

