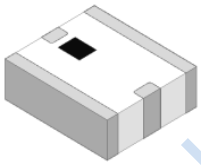
LTCC 带通滤波器（LTCC Bandpass Filter） HT-B4532-2-6G+

50Ω
2000MHz to 6000MHz



Features

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

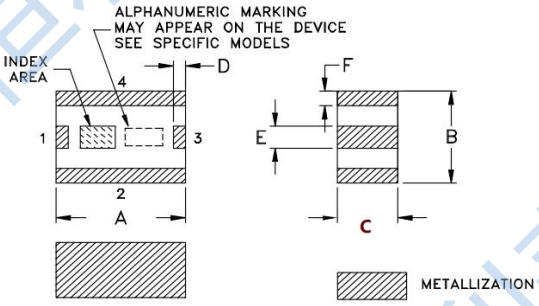
Applications

- Harmonic Rejection.
- Transmitters / Receivers.
- Software defined radio.
- WLAN.
- Cellular network.

Pad Connections

Input	1
Output	3
Ground	2、4

Outline Drawing



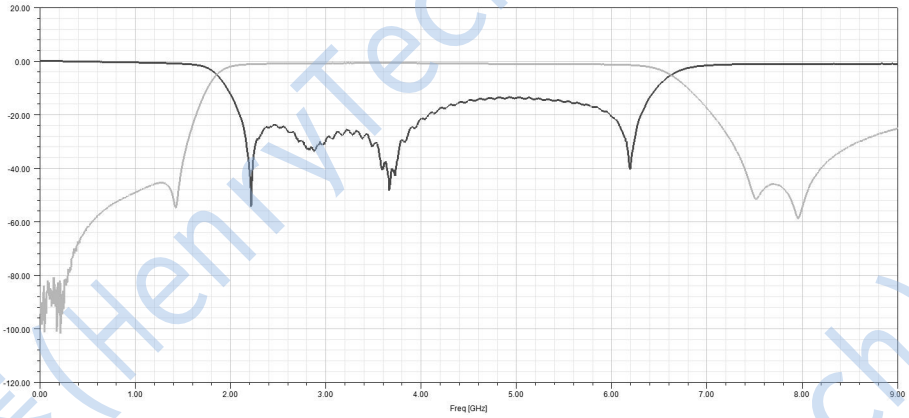
Outline Dimensions (Unit: mm)

A	B	C
4.50±0.25	3.20±0.25	1.50±0.25
D	E	F
0.40±0.15	1.00±0.2	0.40±0.15

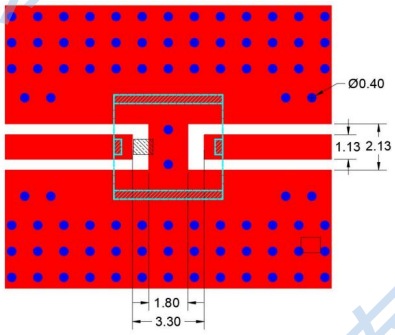
Electrical Specifications(1,2) at 25°C

Parameter		Frequency (MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	—	—	4000	—	MHz
	Insertion Loss	2000-6000	—	2.0	2.5	dB
	VSWR	2000-6000	—	1.5	2.0	:1
Stop Band, Lower	Rejection	DC-1600	15	40	—	dB
Stop Band, Upper	Rejection	7400-8000	15	40	—	

(1) This series of products cannot be directly used in DC circuits. If they need to be used in DC circuits, proper capacitors must be matched at the input and output terminals.



Suggested PCB Layout



NOTES:
1. TRACE WIDTH IS SHOWN FOR ROGERS RO4350B WITH DIELECTRIC THICKNESS 0.508mm. COPPER: 1/2 OZ. EACH SIDE. FOR OTHER MATERIALS TRACE WIDTH AND GAP MAY NEED TO BE MODIFIED.
2. BOTTOM SIDE OF THE PCB IS CONTINUOUS GROUND PLANE.

Maximum Ratings

Operating Temperature	-55°C to +100°C
Storage Temperature	-55°C to +100°C
RF Power Input*	2W at 25°C

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

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