

LTCC 带通滤波器 (LTCC Bandpass Filter) HT-B4532-550-950M+

Features

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

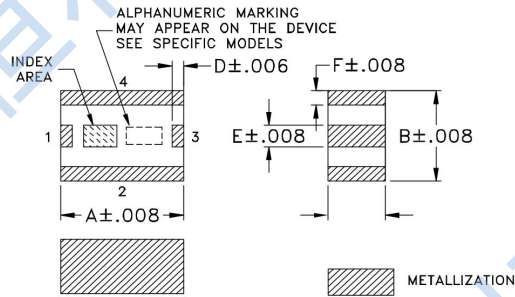
Applications

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

Pad Connections

Input	1
Output	3
Ground	2, 4

Outline Drawing

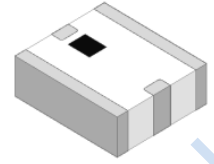


Outline Dimensions

A	B	C	D	E	F
4.50	3.20	2.00(max)	0.35	0.70	0.40

Tolerance: $\pm 0.2\text{mm}$

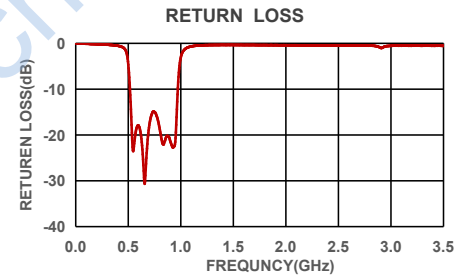
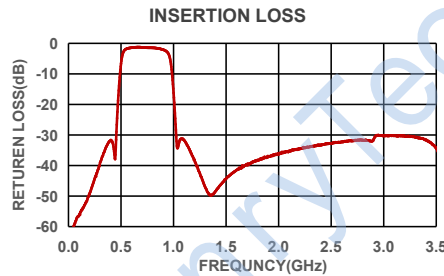
50 Ω
550MHz to 950MHz



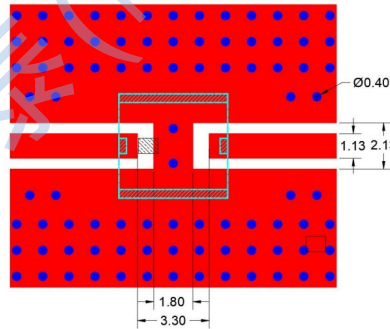
Electrical Specifications(1,2) at 25°C

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Unit	
Passband	Center Frequency	750	—	750	—	MHz
	Insertion Loss	550-950	—	—	3.5	dB
	Return Loss	550-950	9.6	—	—	dB
Stopband	Rejection Loss	1~450 MHz	26	—	—	dB
		1050~3500M	26	—	—	dB

- (1) The specifications are tested at 25°C \pm 5°C, relative humidity 55~75%.
(2) Other quality and characteristic not specify in this datasheet.



Suggested PCB Layout



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.

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.