

LTCC 带通滤波器 (LTCC Bandpass Filter) HT-B4842-1.1-1.9G+

50 Ω 1.1GHz to 1.9GHz

Features

- Extremely wide passband, 1.1-1.9GHz
- Small size
- Temperature stable
- LTCC construction

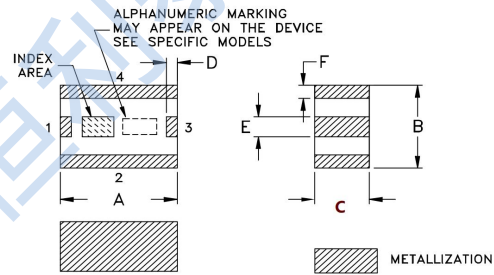
Applications

- Wireless communication
- Harmonic Rejection
- Transmitters / receivers

Pad Connections

Input	1
Output	3
Ground	2, 4

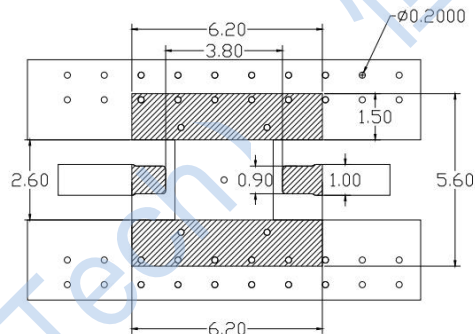
Outline Drawing



Outline Dimensions : mm

A	B	C	D	E	F	Tol.
4.8	4.2	2.0 max	0.4	0.8	0.4	±0.2

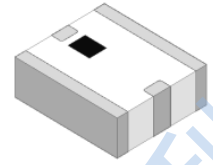
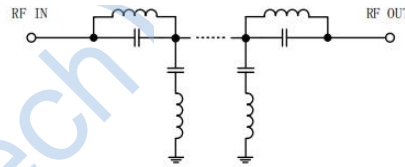
Suggested PCB Layout



Note:

1. The trace width and spacing are as shown in the figure, using RO4350B dielectric with a thickness of 0.508 mm. The copper thickness on both sides is 1 / 2 OZ. If other materials are used, the trace width and spacing may need to be adjusted.
2. Continuous copper pour is applied on the back layer.

Functional Schematic



Electrical Specifications(1) at 25°C

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	—	1500	—	MHz
	Insertion Loss	1100-1900	—	4.0	dB
	VSWR	1100-1900	—	2.3	: 1
Stop Band	Rejection Loss	900	30	—	dB
		2100	20	—	

Maximum Ratings

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

- *1. Permanent damage may occur if any of these limits are exceeded.
2. Power rating applies only to signals within the passband.