

LTCC 带通滤波器 (LTCC Bandpass Filter)

HT-BFCG-162W+

50 Ω 950MHz to 2200MHz

Features

- Extremely wide passband, 950-2200 MHz
- Small size 0805(2.0 x 1.25 mm)
- Temperature stable
- LTCC construction

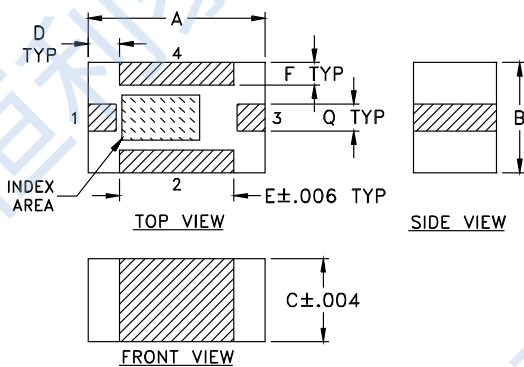
Applications

- Wireless communication
- Harmonic Rejection
- Transmitters / receivers

Pad Connections

Input	1
Output	3
Ground	2、4

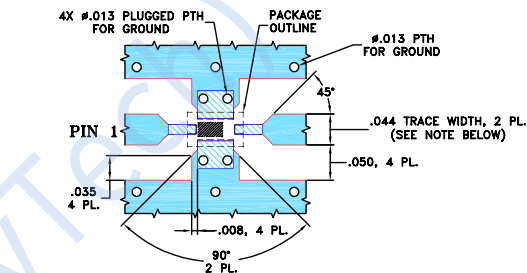
Outline Drawing



Outline Dimensions : inch mm

A	B	C	D	E	F	Q	wt
.079	.049	.037	.014	.051	.010	.012	grams
2.01	1.24	0.94	0.36	1.30	0.25	0.30	.020

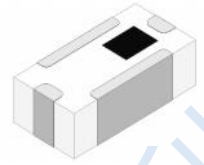
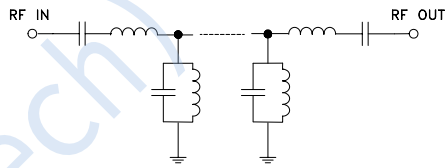
Suggested PCB Layout



NOTES:

- TRACE WIDTH IS SHOWN FOR ROGERS RO4350B WITH DIELECTRIC THICKNESS .020" ± .0015", COPPER: 1/2 OZ. EACH SIDE. FOR OTHER MATERIALS TRACE WIDTH AND GAP MAY NEED TO BE MODIFIED.
 - BOTTOM SIDE OF THE PCB IS CONTINUOUS GROUND PLANE.
- DENOTES PCB COPPER LAYOUT WITH SMOBC (SOLDER MASK OVER BARE COPPER).
 DENOTES COPPER LAND PATTERN FREE OF SOLDER MASK.

Functional Schematic

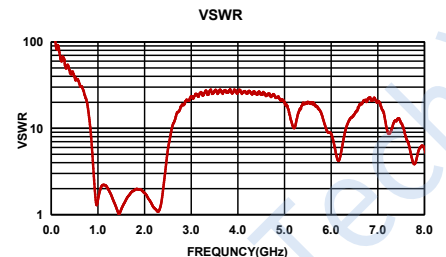
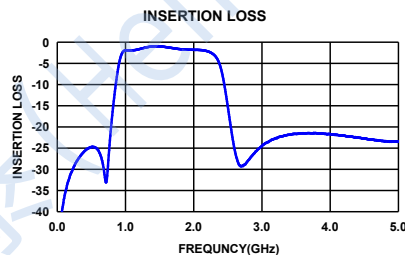


Electrical Specifications(1) at 25°C

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	—	1575	—	MHz
	Insertion Loss	950-2200	—	1.8	3.0 dB
	VSWR	950-2200	—	2.0	: 1
Stop Band	Rejection Loss	DC-770	20	25	dB
		3000-5000	20	30	

1. This component should not be used as a DC-block. In applications where DC voltage and/or current is present at either the input or output ports, external DC blocking capacitors are required.

Typical Performance Data at 25°C



Maximum Ratings

Operating Temperature	-55°C to +125°C
Storage Temperature	-55°C to +125°C
RF Power Input*	0.5W 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.