

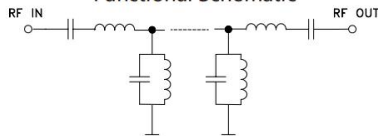
Features

- excellent power handling
- small size
- temperature stable
- LTCC construction, and has good moisture resistance, corrosion resistance, high reliability.

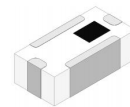
Applications

- Harmonic rejection
- Transmitters / Receivers

Functional Schematic



JY-BFCN-1575+



50 Ω 1530 to 1620 MHz

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	1.5W .at 25°C

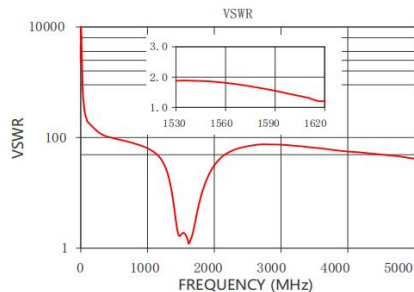
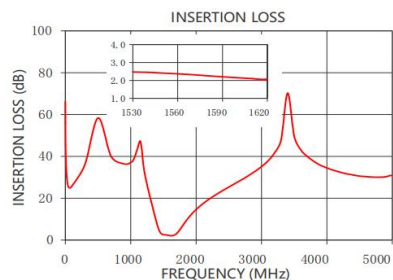
*Passband rating, derate linearly to 0.25W at 100°C ambient
Permanent damage may occur if any of these limits are exceeded.

Pin Connections

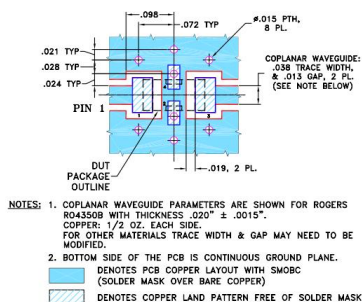
RF IN	1
RF OUT	3
GROUND	2,4

Electrical Specifications at 25°C

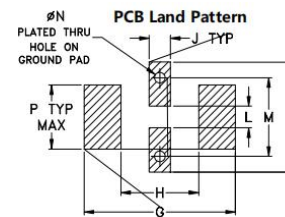
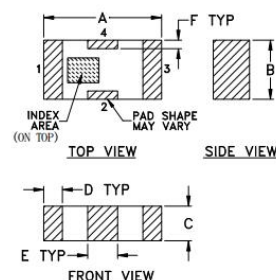
Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	1530-1620	-	1575	-	MHz
	Insertion Loss	1530-1620	-	-	3.0	dB
	VSWR	1530-1620	-	-	2.5	:1
Stop Band, Lower	Insertion Loss	1200	-	20	-	dB
	VSWR	1200	-	25	-	:1
Stop Band, Upper	Insertion Loss	2800-5200	-	25	-	dB
	VSWR	2800-5200	-	20	-	:1



Suggested PCB Layout



Outline Drawing



Suggested Layout
Tolerance to be within ± 0.02

Outline Dimensions: Unit (mm)

A	3.20	B	1.60	C	0.95
D	0.51	E	0.81	F	0.23
G	4.29	H	2.21	J	0.61
K	3.10	L	0.61	M	2.21
N	0.30	P	1.8	wt	0.02g