Bandpass Filter

JY-BFCN-1052+

Features
- small size
- temperature stable
- LTCC construction

Applications
- Harmonic rejection
- Transmitters / Receivers



Generic photo used for illustration purposes only

50Ω 9700 to 11950 MHz

Electrical Specifications[1] at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency Insertion Loss VSWR	 9700-11950 9700-11950	 - -	10770 1.6 1.9	 3.0 -	MHzd B :1
Stop Band, Lower	Insertion Loss	DC-8100 8100-8400	30 20	38 32	- -	dB dB
Stop Band, Upper	Insertion Loss	14000-28500 28500-44000	20 -	28 25	- -	dB dB

1. This filter is not intended for use as a DC Blocking circuit element. In Application where DC voltage is present at either input or output ports, blocking capacitors are required at the corresponding RF port.

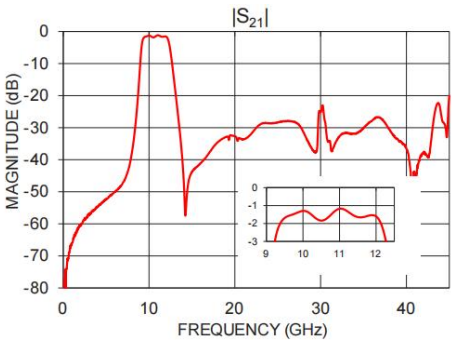
Maximum Ratings

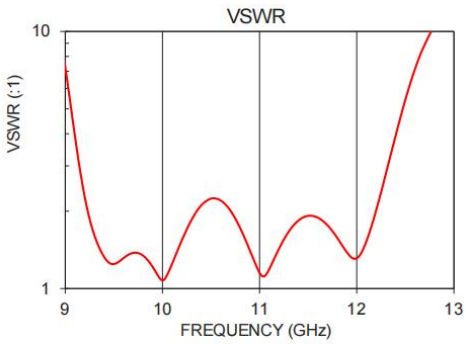
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	2W .at 25°C

*Passband rating, derate linearly to 0.5W at 100°C ambient
Permanent damage may occur if any of these limits are exceeded.

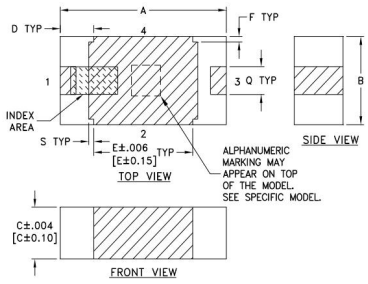
Pin Connections

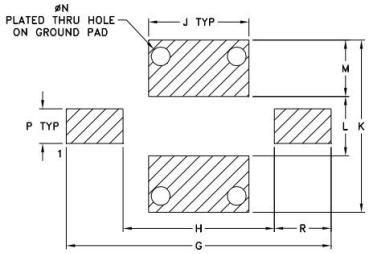
Input	1
Output	3
Ground	2





Outline Drawing



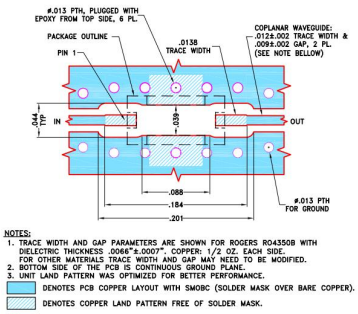


Suggested Layout
Tolerance to be within ±0.05

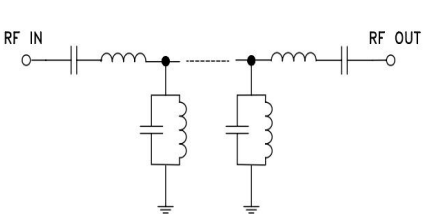
Outline Dimensions：Unit (mm)

A	3.20	B	1.60	C	0.94
D	0.66	E	1.91	F	0.10
G	4.62	H	2.64	J	1.75
K	3.02	L	1.04	M	0.99
N	0.33	P	0.61	Q	0.51
R	0.99	S	0.10		

Suggested PCB Layout



Functional Schematic



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