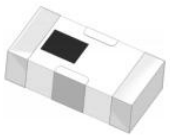
Bandpass Filter

JY-BFCN-4100+

Features
•excellent power handling
• small size
• temperature stable
• LTCC construction , and has good moistureresistance,
corrosion resistance, high reliability.

Applications
• Harmonic rejection
• Transmitters / Receivers



Generic photo used for illustration purposes only

50Ω 3700 to 4500 MHz

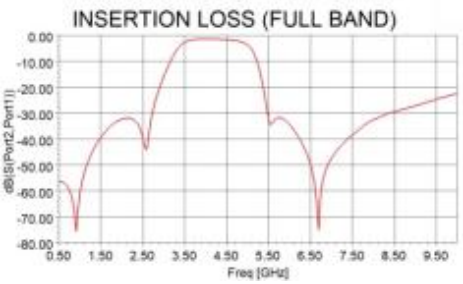
Maximum Ratings	
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	1.5W .at 25°C

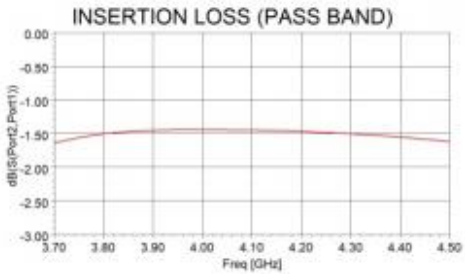
*Passband rating, derate linearly to 0.25W at 100°C ambient
Permanent damage may occur if any of these limits are exceeded.

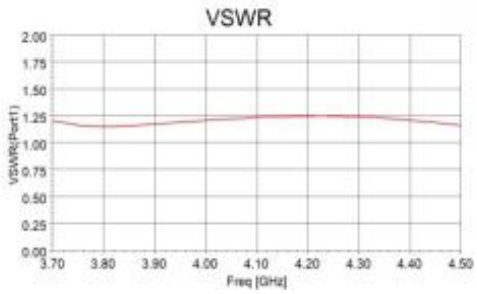
Electrical Specifications[1] at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency Insertion Loss VSWR	 3700-4500 3700-4500	 - -	4100 1.7 1.5	 2.0 2.0	MHz dB :1
Stop Band, Lower	Insertion Loss VSWR	DC-2200 DC-2200	20 -	25 20	- -	dB :1
Stop Band, Upper	Insertion Loss VSWR	6000-9000 6000-9000	15 -	22 20	- -	dB :1

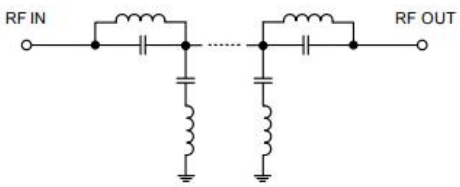
1. This filter is not intended for use as a DC Blocking circuit element. In Application where DC voltage is present at either input or output ports, blocking capacitors are required at the corresponding RF port.



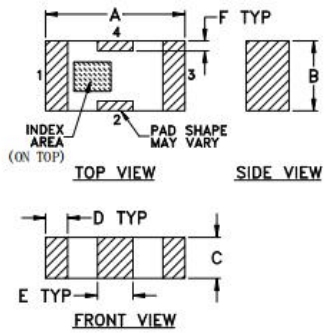


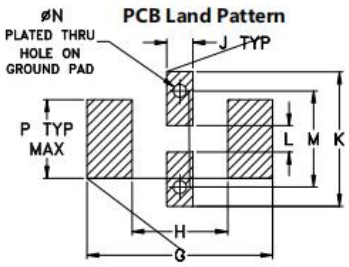


Functional Schematic



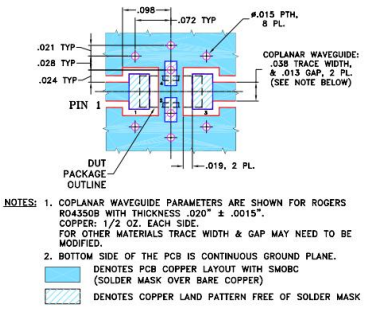
Outline Drawing





Suggested Layout
Tolerance to be within ±0.05

Suggested PCB Layout



Pin Connections	
RF IN	1
RF OUT	3
GROUND	2,4

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

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