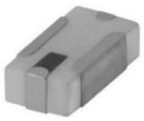
Bandpass Filter

JY-BFCN-1860+



Generic photo used for illustration purposes only

50Ω 1580 to 2200 MHz

Features

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

Applications

• Harmonic rejection
• Transmitters / Receivers

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input*	2.5W .at 25°C

*Passband rating, derate linearly to 0.7W at 100°C ambient
Permanent damage may occur if any of these limits are exceeded.

Pin Connections

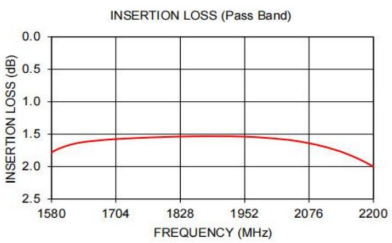
RF IN	1
RF OUT	3
GROUND	2,4

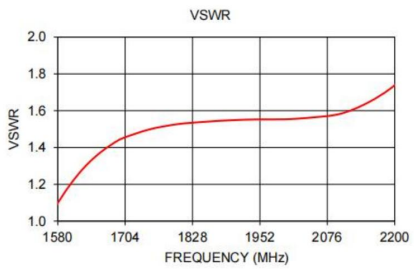
Electrical Specifications[1] at 25°C

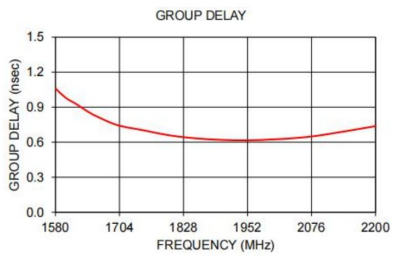
Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency Insertion Loss VSWR	 1580-2200 1580-2200	 - -	1860 2.0 1.5	 3.0 2.5	MHz dB :1
Stop Band, Lower	Insertion Loss VSWR	1300 1300	- -	20 20	- -	dB :1
Stop Band, Upper	Insertion Loss VSWR	2600-4800 2600-4800	- -	20 15	- -	dB :1

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.

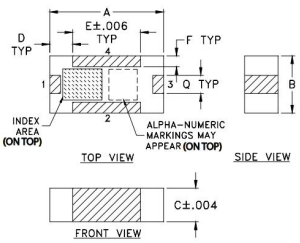




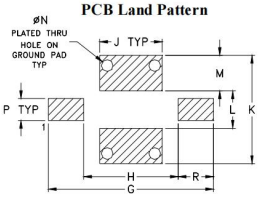




Outline Drawing

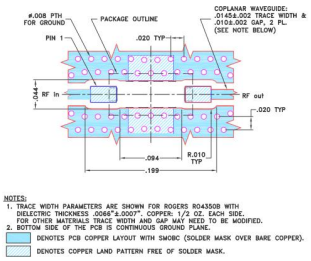


PCB Land Pattern

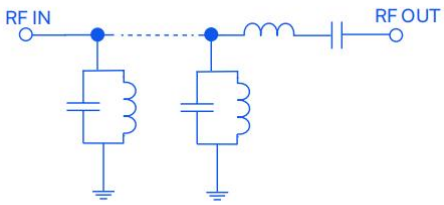


Suggested Layout
Tolerance to be within ±0.05

Suggested PCB Layout



Functional Schematic



Outline Dimensions: Unit (mm)

A	3.20	B	1.60	C	0.94
D	0.66	E	1.91	F	0.30
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	wt		0.02g	

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