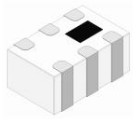
High Pass Filter

JY-HFCN-5050+



Generic photo used for illustration purposes only

50Ω 5500 to 10000 MHz

Features

- Low cost
- Small size
- 5 sections
- Temperature stable
- Excellent power handling
- LTCC construction with great moisture resistance, corrosion resistance, and high reliability

Applications

- Sub-harmonic rejection
- Transmitters / receivers

Pin Connections

RF IN	1
RF OUT	3
GROUND	2,4,5,6

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input	7W at 25°C

* Passband rating, derate linearly to 3.5W at 100°C ambient.
Permanent damage may occurif any of these limits are exceeded.

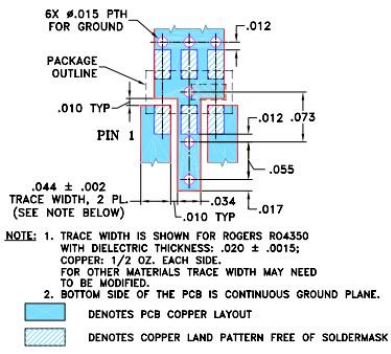
Electrical Specifications[1] at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Insertion Loss	5650-9700	-	-	1.4	dB
		5500-10000	-	-	2.0	dB
	VSWR	5600-10000	-	-	2.0	:1
Stop Band	Rejection Loss	100-4200	20	-	-	dB

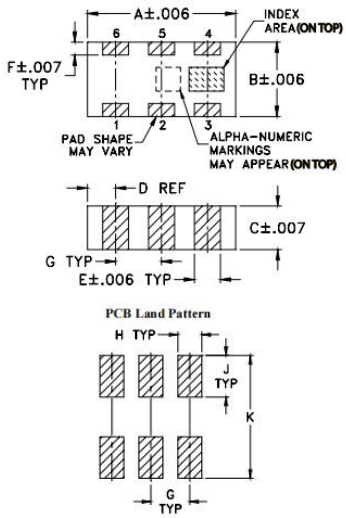
1. In Application where DC voltage is present at either input or output ports, coupling capacitors are required.



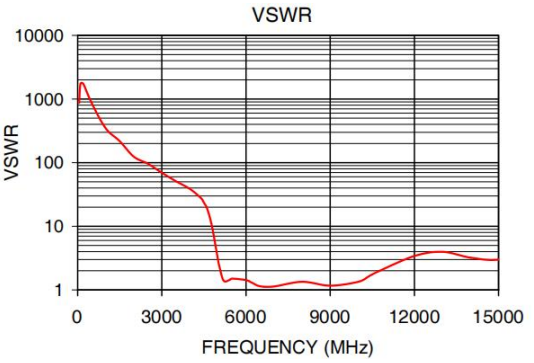
Suggested PCB Layout

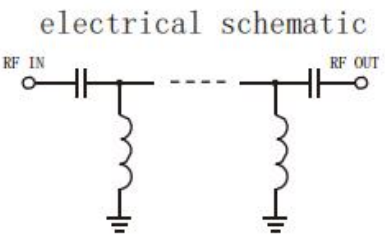


Outline Drawing



Suggested Layout
Tolerance to be within ±0.15





Outline Dimensions: Unit (mm)

A	3.20	B	1.60	C	1.5Max
D	0.61	E	0.56	F	0.28
G	0.99	H	0.61	J	1.07
K	3.12				

JY-HFCN-5050+

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