



Features

- excellent power handling
- Small size
- 7 sections
- temperature stable
- LTCC construction with great moisture resistance, corrosion resistance, and high reliability

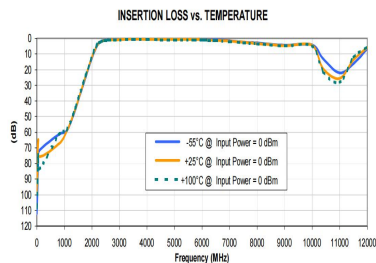
Applications

- sub-harmonic rejection
- transmitters/receivers
- base station of mobile communication and lab use

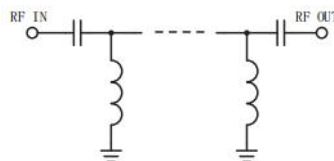
Electrical Specifications¹ at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Rejection Loss	1400	40	-	-	dB
		1700	20	-	-	
	Freq. Cut-Off	2275	-	3.0	-	dB
	VSWR	1400-1770	-	20	-	:1
Stop Band	Insertion Loss	2450-7000	-	2.0	-	dB
		2640-6230	-	-	1.4	dB
	VSWR	2580-6000	-	1.5	-	:1

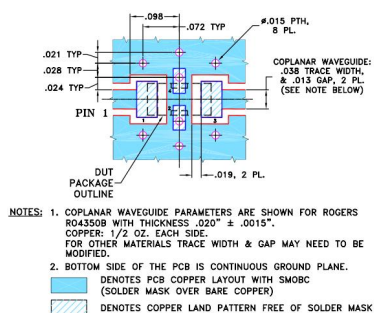
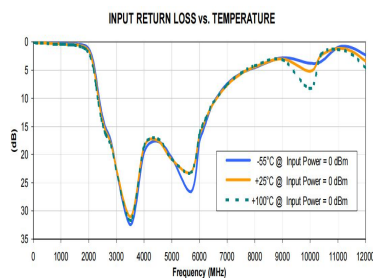
1. In Application where DC voltage is present at either input or output ports, coupling capacitors are required.



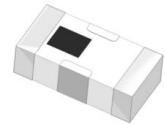
electrical schematic



Suggested PCB Layout



JY-HFCN-2275+



50 Ω 2450 to 7000 MHz

Pin Connections

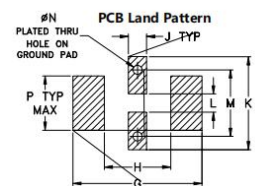
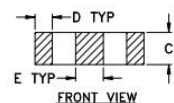
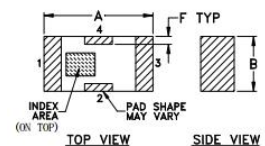
RF IN	1
RF OUT	3
GROUND	2,4

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 3W at 100°C ambient.
Permanent damage may occur if any of these limits are exceeded.

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