

Jieying Communication Technology (Shenzhen) Co., Ltd.
<http://www.jytxjs.cn>

High Pass Filter

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

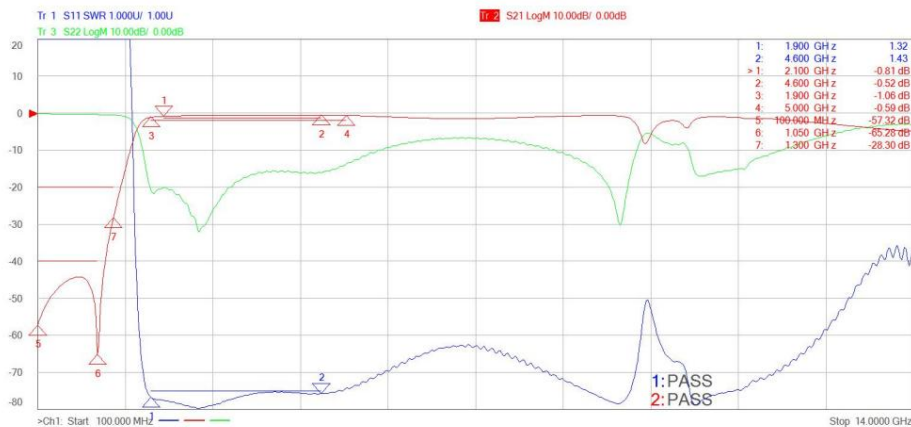
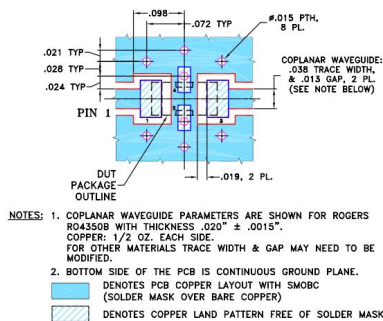
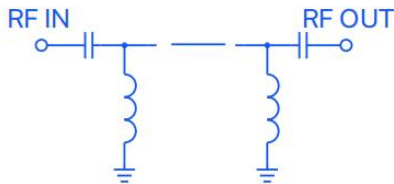
Electrical Specifications¹ at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Insertion Loss	2100-4600	-	-	1.4	dB
		1900-5000	-	-	2.0	dB
	VSWR	1900-4600	-	-	2.0	:1
Stop Band	Rejection Loss	100-1300	20	-	-	dB
		100-1050	40	-	-	dB

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

Suggested PCB Layout

FUNCTIONAL SCHEMATIC



JY-HFCN-1810+



50Ω 1900~5000MHZ

Pin Connections

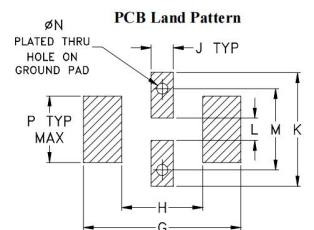
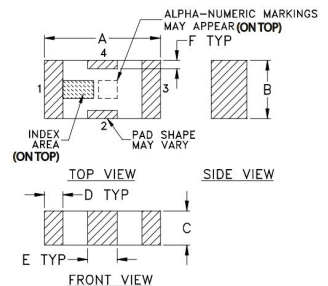
RF IN	1
RF OUT	3
GROUND	2,4

Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-40°C to 85°C
RF Power Input	7W max.at 25°C

Permanent damage may occur if any of these limits are exceeded.

Outline Drawing



Suggested Layout
Tolerance to be within ±0.15

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	1.80	wt	0.02g