



High Pass Filter

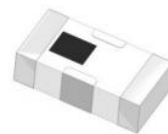
Features

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

Applications

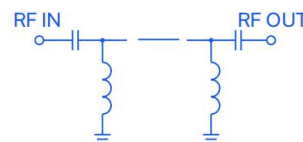
- sub-harmonic rejection
- transmitters/receivers
- base station of mobile communication and lab use

JY-HFCN-1300+



50Ω 1400 to 4500 MHz

FUNCTIONAL SCHEMATIC



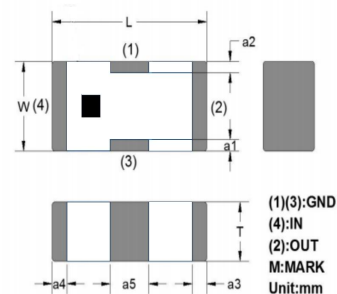
Maximum Ratings

Operating Temperature -40°C to 85°C

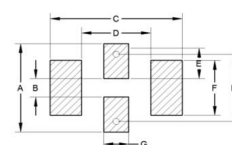
Storage Temperature -40°C to 85°C

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

Outline Drawing



PCB Land Pattern



Suggested Layout
Tolerance to be within ±0.15

Outline Dimensions: Unit (mm)

A	3.20	B	0.60	C	4.20
D	2.20	E	1.15	F	1.80
G	0.60	H	2.20	L	3.20
W	1.60	T	1.06	a1,a2	0.25
a3,a4	0.35	a5	0.80	wt	0.02g

项目	规格
Cut-off Frequency (截止频率)	1400MHz
Bandwidth (带宽)	1400~4500MHz
Max. IL in BW (@25°C) (插入损耗)	S21≤1.4dB (1.51~4.0GHz) S21≤2.0dB (1.4~4.5GHz)
Attenuation (衰减)	S21≥20dB (0.1~0.93GHz) S21≥40dB (0.1~0.69GHz)
VSWR in BW (驻波比)	≤2(1.4~3.6GHz)
Characteristic Impedance (Nom.) (阻抗)	50Ω

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

