

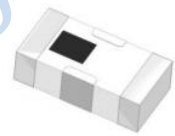
## Features

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

## Applications

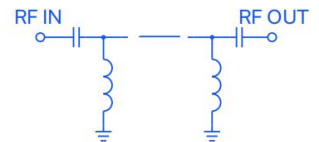
- sub-harmonic rejection
- transmitters/receivers
- base station of mobile communication and lab use

## HT-HFCN-2275+

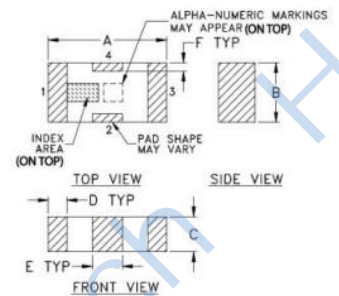


50Ω 2400-7000MHz

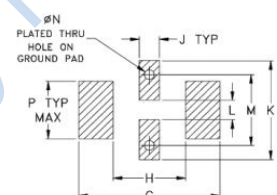
### FUNCTIONAL SCHEMATIC



### Outline Drawing



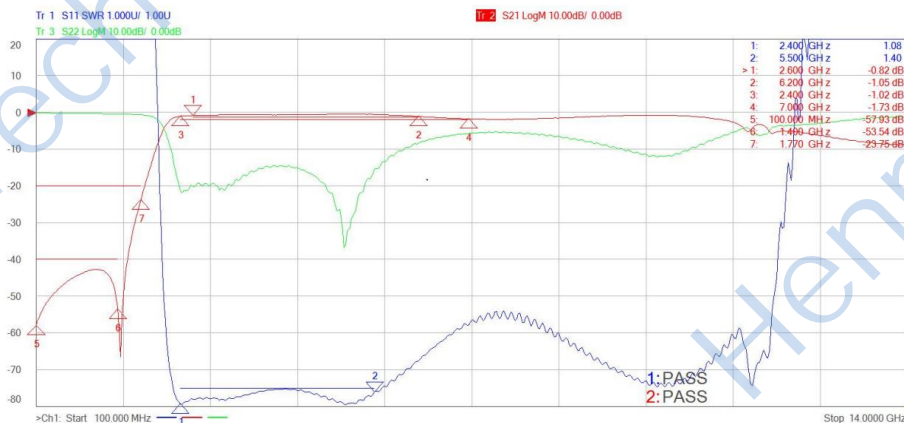
### PCB Land Pattern



Suggested Layout  
Tolerance to be within ±0.02

Electrical Specifications <sup>1</sup> (TAMB= 25° C)	
PROJECT	SPECIFICATION
Cut-off Frequency (截止频率)	2400MHz
Bandwidth (带宽)	2400~7000MHz
Max. IL in BW (@25°C) (插入损耗)	2dB
Attenuation (衰减)	S21≥1.4dB@2.6GHz~6.2GHz S21≥2.0dB@2.4GHz~7.0GHz S21≥20dB@0.1GHz~1.77GHz S21≥40dB@0.1GHz~1.4GHz
VSWR in BW (驻波比)	1.50
Characteristic Impedance (Nom.) (阻抗)	50Ω

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



### 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 Dimensions: Unit ( mm )					
A	3.20	B	1.60	C	1.060
D	0.51	E	0.81	F	.230.
G	4.29	H	2.21	J	612.
K	3.10	L	0.61	M	210.
N	0.30	P	1.80	wt	02g