

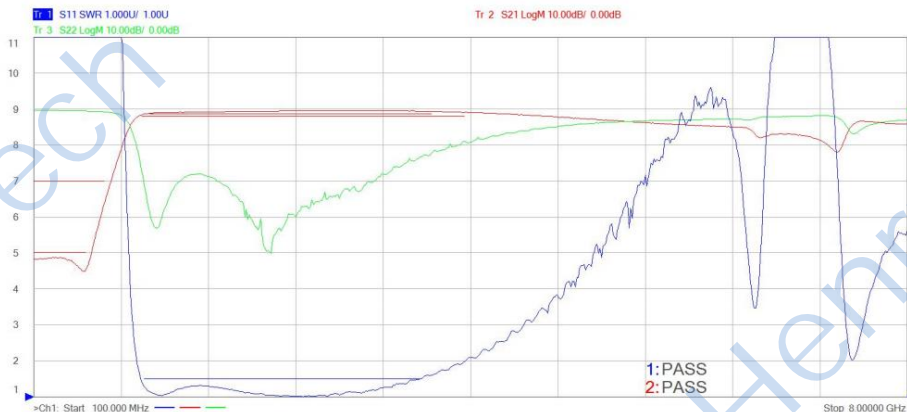
Features

- 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

PROJECT	SPECIFICATION
Cut-off Frequency (截止频率)	1080MHz
Bandwidth (带宽)	1080~4000MHz
Max. IL in BW (@25°C) (插入损耗)	2dB
Attenuation (衰减)	S21 \geq 1.4dB@1.15GHz~3.7GHz S21 \geq 2.0dB@1.08GHz~4.0GHz S21 \geq 20dB@0.1GHz~0.57GHz S21 \geq 40dB@0.1GHz~0.74GHz
VSWR in BW (驻波比)	1.50
Characteristic Impedance (Nom.) (阻抗)	50 Ω



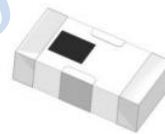
Maximum Ratings

Operating Temperature -40°C to 85°C

Storage Temperature -40°C to 85°C

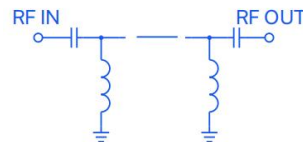
Permanent damage may occur if any of these limits are exceeded.

HT-HFCN-1000+

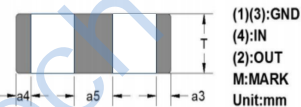
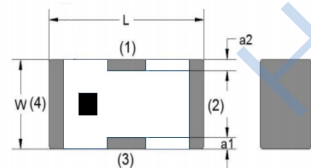


50 Ω 1080 to 4000 MHz

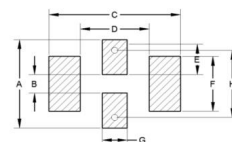
FUNCTIONAL SCHEMATIC



Outline Drawing



PCB Land Pattern



Suggested Layout Tolerance to be within ± 0.02

Outline Dimensions: Unit (mm)

A	3.20	B	0.60	C	4.201
D	2.20	E	1.15	F	803.
G	0.60	H	2.20	L	200.
W	1.60	T	1.06	a1,a2	250.
a3,a4	0.35	a5	0.80	wt	02g