

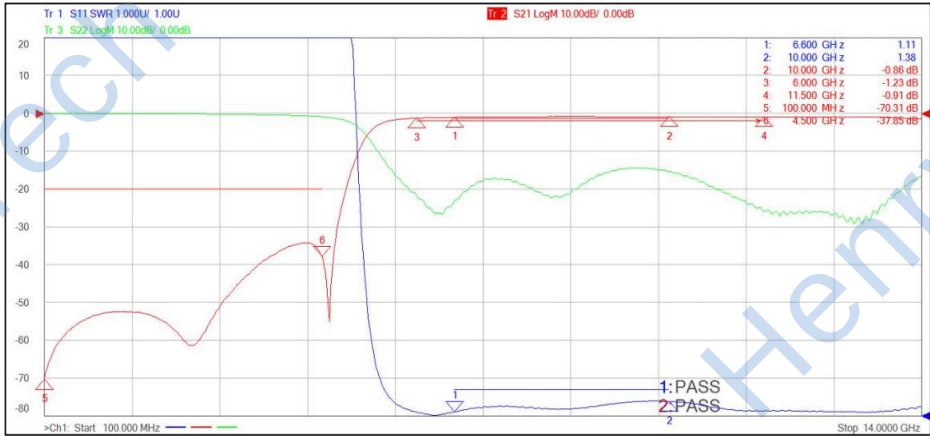
Features

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

Applications

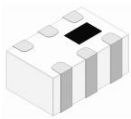
- sub-harmonic rejection
- transmitters/receivers
- base station of mobile communication and lab use

PROJECT	SPECIFICATION
Cut-off Frequency（截止频率）	6000MHz
Bandwidth（带宽）	6000-11500MHz
Max. IL in BW (@25°C)（插入损耗）	S21≤1.4dB@6.6~10GHz S21≤2.0dB@6.0~11.5GHz
Attenuation（衰减）	S21≥20dB@0.1GHz~4.5GHz
VSWR in BW（驻波比）	≤2.0@6.6~10GHz
Characteristic Impedance (Nom.)（阻抗）	50Ω



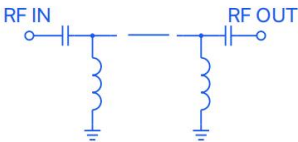
Maximum Ratings
Operating Temperature -40°C to 85°C
Storage Temperature -40°C to 85°C
Permanent damage may occur if any of these limits are exceeded.

HT-HFCN-5500+

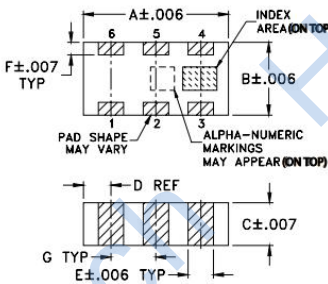


50Ω 6000-11500MHz

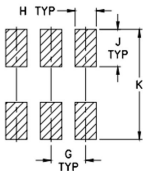
FUNCTIONAL SCHEMATIC



Outline Drawing



PCB Land Pattern



Suggested Layout
Tolerance to be within ±0.02

Outline Dimensions: Unit (mm)					
A	3.20	B	1.60	C	1.10
D	0.61	E	0.56	F	0.28
G	0.99	H	0.70	J	1.10
K	3.23	wt	0.02g		