

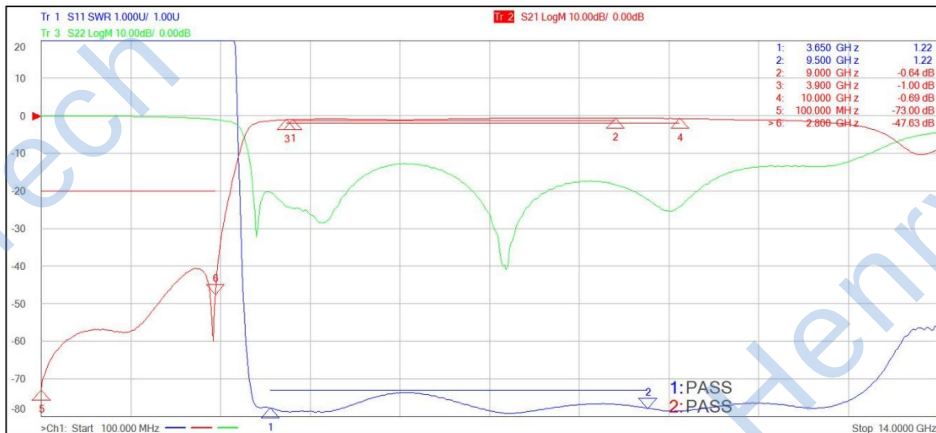
Features

- 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)	3900MHz
Bandwidth (带宽)	3900~10000MHz
Insert Loss (插入损耗)	$S_{21} \leq 1.4\text{dB}@4.0 \sim 9.0\text{GHz}$
Attenuation (衰减)	$S_{21} \leq 2.0\text{dB}@3.9 \sim 10\text{GHz}$ $S_{21} \geq 20\text{dB}@0.1\text{GHz} \sim 2.8\text{GHz}$
VSWR in BW (驻波比)	$\leq 2.0@3.65 \sim 9.5\text{GHz}$
Characteristic Impedance (Nom.) (阻抗)	50Ω



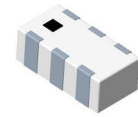
Maximum Ratings

Operating Temperature -40°C to 85°C

Storage Temperature -40°C to 85°C

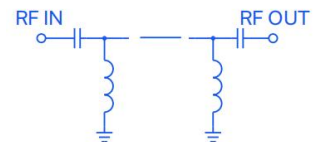
Permanent damage may occur if any of these limits are exceeded.

HT-HFCN-3500+

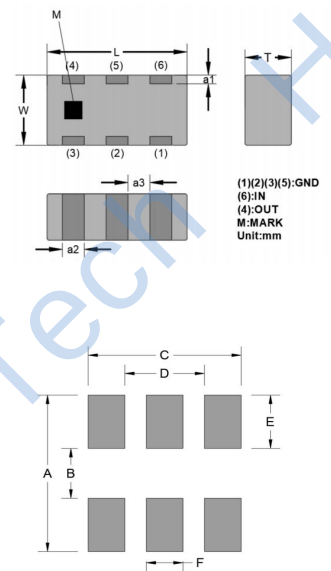


50Ω 3900~10000MHz

FUNCTIONAL SCHEMATIC



Outline Drawing



Suggested Layout
Tolerance to be within ± 0.02

Outline Dimensions: Unit (mm)

L	3.20	W	1.6	T	1.10
a1	.33	a2	0.56	a3	.442
A	231.	B	1.03	C	.920
D	52	E	1.1	F	.7
wt	0.02g				