

LTCC 高通滤波器 (High Pass Filter)

HT-HFCN-8400+

Features

- Low insertion loss.
- Good rejection.
- LTCC Construction.
- temperature stable.
- Small size.

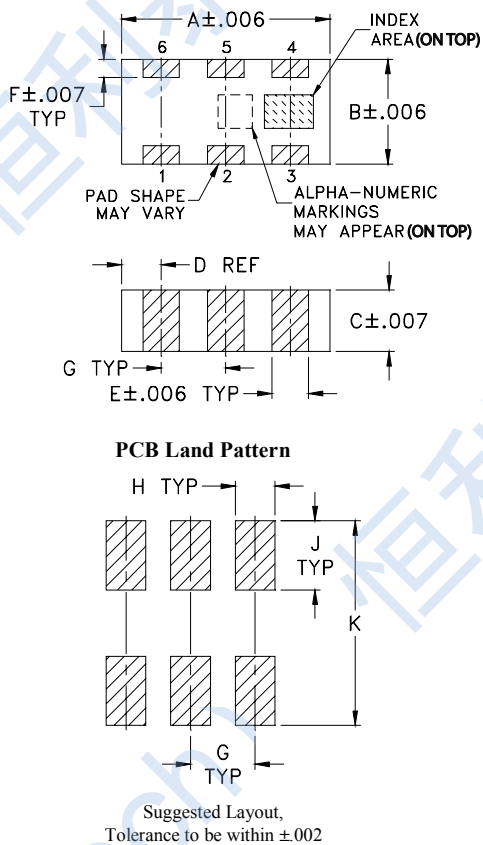
Applications

- Sub-harmonic rejection.
- Transmitters/receivers.
- Lab use.

Pad Connections

RF IN	1
RF OUT	3
GROUND	2,4,5,6

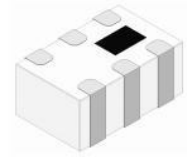
Outline Drawing



Outline Dimensions : inch mm

A	B	C	D	E	F	
.126	.063	.035	.024	.022	.011	
3.20	1.60	0.89	0.61	0.56	0.28	
G	H	J	K			wt
.039	.024	.042	.123			grams
0.99	0.61	1.07	3.12			.020

Functional Schematic



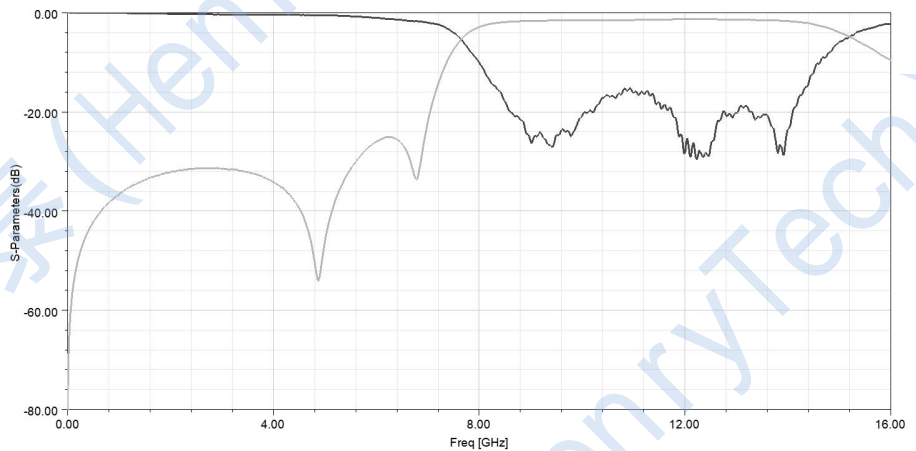
50 Ω
9000MHz to 13000MHz

Electrical Specifications(1) at 25°C

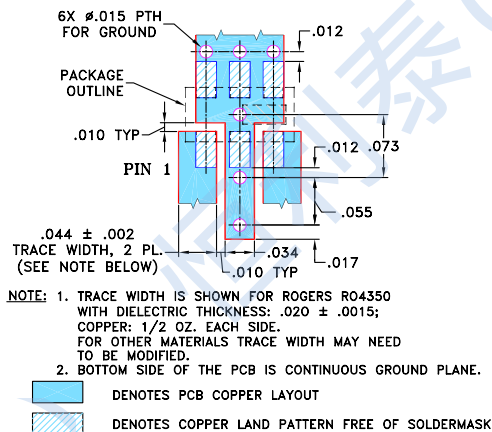
Parameter		Frequency (MHz)	Min.	Typ.	Max.	Units
Pass Band	Insertion Loss	9000-13000	—	—	3.0	dB
		9500-13000	—	—	2.5	
	VSWR	9000-13000	—	1.5	—	: 1
Stop Band	Rejection Loss	5700	—	30	—	dB
		6000	20	—	—	
	Freq. Cut-Off	8400	—	3.0	—	dB
	VSWR	5700-6000	—	20	—	: 1

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

Typical Performance Data at 25°C



Suggested PCB Layout



Maximum Ratings

Operating Temperature	-55°C to +125°C
Storage Temperature	-55°C to +125°C
RF Power Input*	7W max at 25°C

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