

LTCC 高通滤波器 (High Pass Filter)

HT-HFCN-8400+

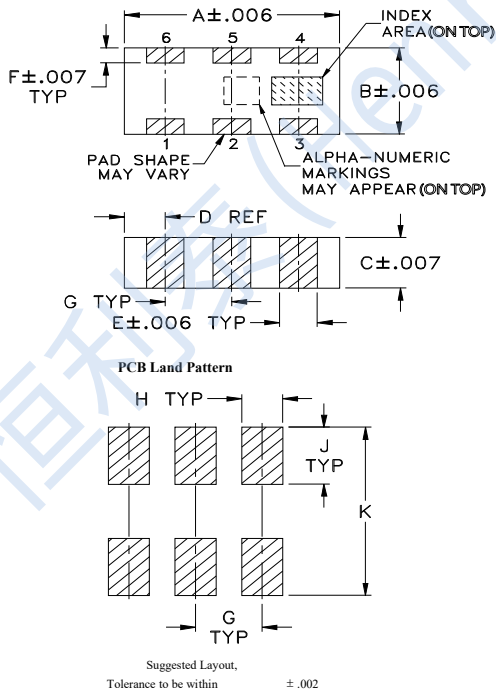
Features

- Low cost
- Small size
- 7 sections
- Temperature stable
- LTCC construction
- Excellent power handling, 7W
- Hermetically sealed

Applications

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

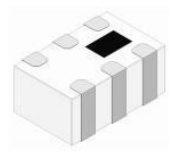
Outline Drawing



Outline Dimensions

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(1,2) at 25°C

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

Pad Connections

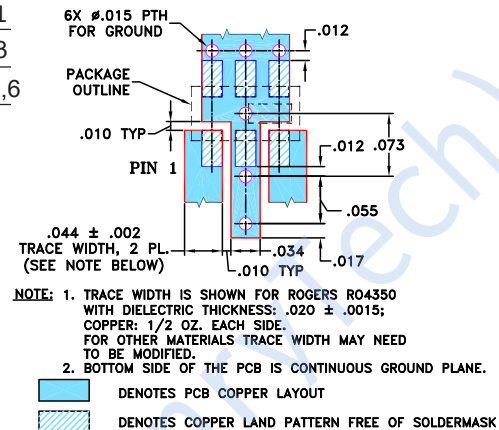
RF IN	1
RF OUT	3
GROUND	2,4,5,6

Maximum Ratings

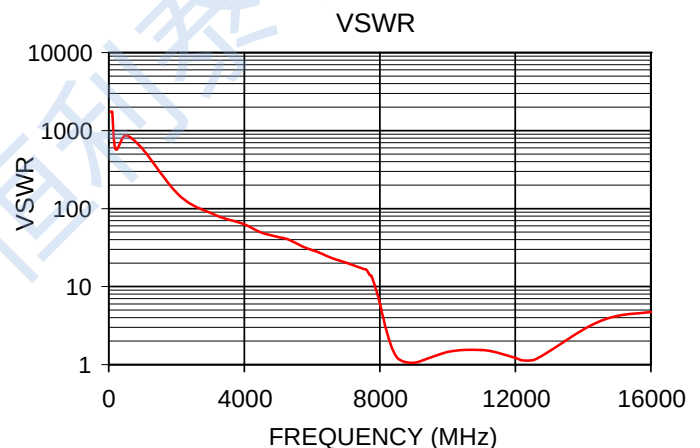
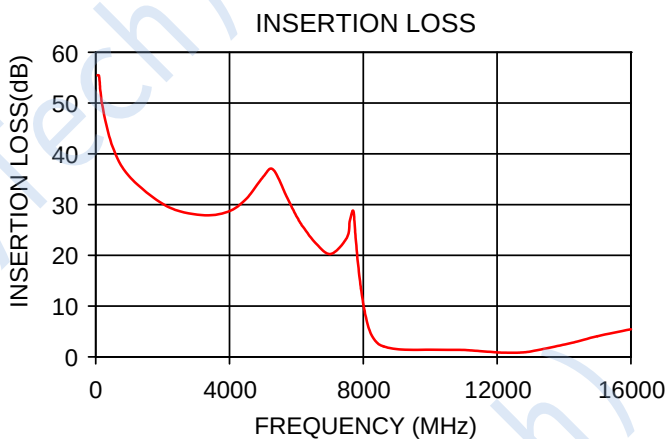
Operating Temperature	-55°C to +100°C
Storage Temperature	-55°C to +100°C
RF Power Input*	7W max at 25°C

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

Suggested PCB Layout



Typical Performance Data at 25°C



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