成都恒利泰科技有限公司
Chengdu HenryTech Technology co., Ltd

LTCC 高通滤波器（High Pass Filter） HT-HFCN-4600+

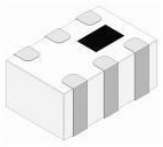
Features

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

Applications

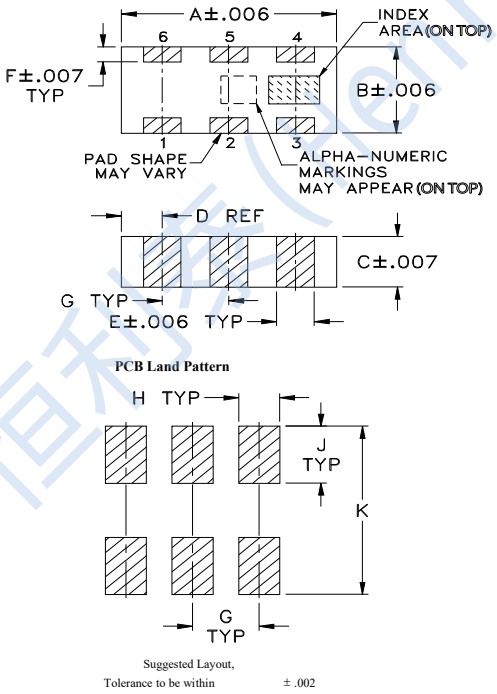
- Sub-harmonic rejection
- Transmitters/receivers
- Lab use

Functional Schematic



50 Ω
5000MHz to 11000MHz

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

Electrical Specifications(1,2) at 25°C

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Units
Stop Band Rejection Loss	3700	30	—	—	dB
	3800	20	—	—	
Freq. Cut-Off	4600	—	3.0	—	dB
VSWR	3700-3800	—	20	—	:1
Pass Band Insertion Loss	5000-11000	—	—	2.0	dB
	5200-10500	—	—	1.5	dB
VSWR	4720-11000	—	1.5	—	:1

Pad Connections

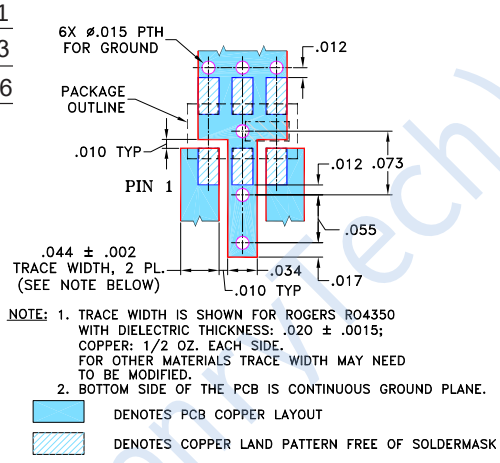
RF IN	1
RF OUT	3
GROUND	2,4,5,6

Maximum Ratings

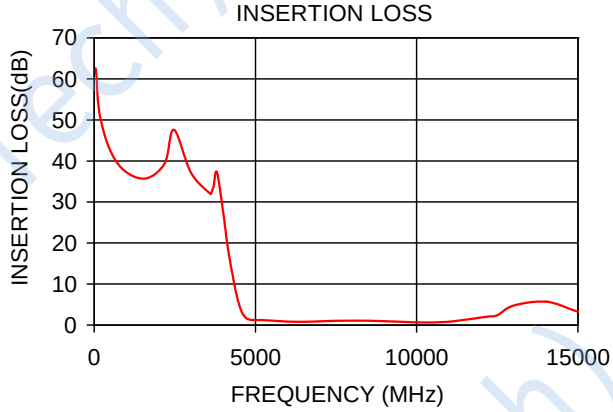
Operating Temperature	-55°C to +100°C
Storage Temperature	-55°C to +100°C
RF Power Input*	7W max at 25°C

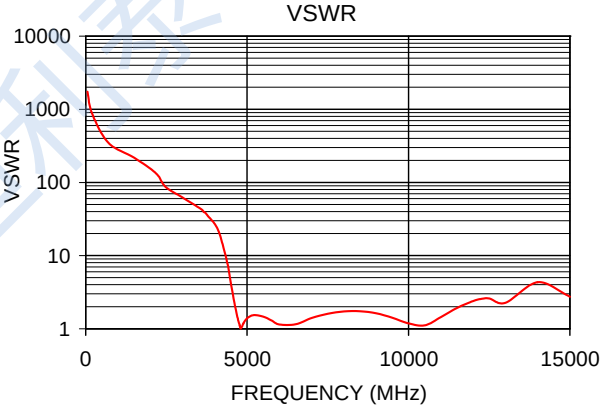
*Permanent damage may occur if any of these limits are exceeded.

Suggested PCB Layout



Typical Performance Data at 25°C





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