

LTCC 高通滤波器 (High Pass Filter)

HT-HFCN-5500+

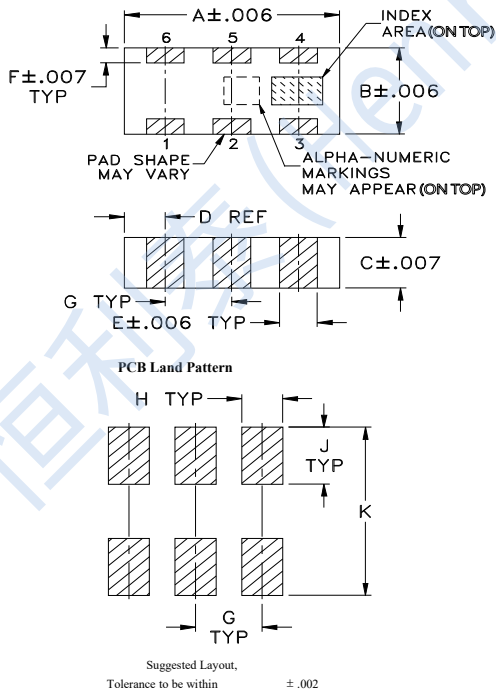
Features

- 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
6000MHz to 11500MHz

Electrical Specifications(1,2) at 25°C

STOPBAND (MHz)	fco, MHz Nom.	PASSBAND (MHz)	VSWR Typ.	POWER INPUT (W)	NO. OF SECTIONS
(Loss > 30dB) (Loss > 20dB)	(Loss 3 dB)	(Loss < 1.5dB) (Loss < 2dB)	Frequency (MHz)		
Typ. Min.	Typ.	Max. Max.	Stopband 1.5:1	Max.	
4000 4500	5500	6600-10000 6000-11500	20:1 5600-11000	7	5

Pad Connections

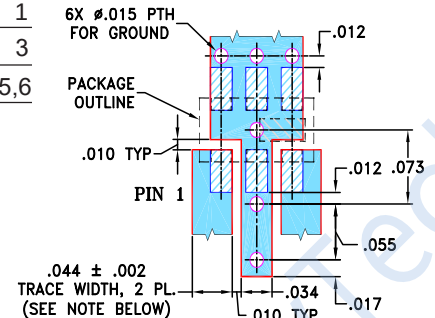
RF IN	1
RF OUT	3
GROUND	2,4,5,6

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.

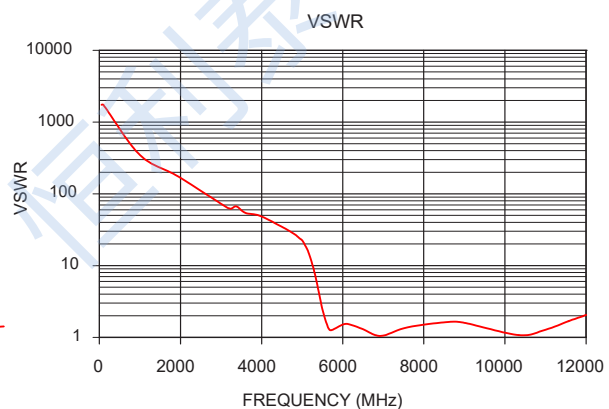
Suggested PCB Layout



NOTE: 1. TRACE WIDTH IS SHOWN FOR ROGERS R04350 WITH DIELECTRIC THICKNESS: .020 ± .0015; COPPER: 1/2 OZ. EACH SIDE. FOR OTHER MATERIALS TRACE WIDTH MAY NEED TO BE MODIFIED.
2. BOTTOM SIDE OF THE PCB IS CONTINUOUS GROUND PLANE.

- DENOTES PCB COPPER LAYOUT
- DENOTES COPPER LAND PATTERN FREE OF SOLDERMASK

Typical Performance Data at 25°C



Tel: +86-28-85589664

E-mail: mr_li@henglitaitech.com

Web: www.hltchips.com

Room 1401, 14th Floor, Building 5, Huaxi Science and Technology Innovation Center, No. 50, Shuixi Road, Jinniu District, Chengdu City