

# LTCC 高通滤波器 (High Pass Filter)

HT-HFCN-2700+

## Features

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

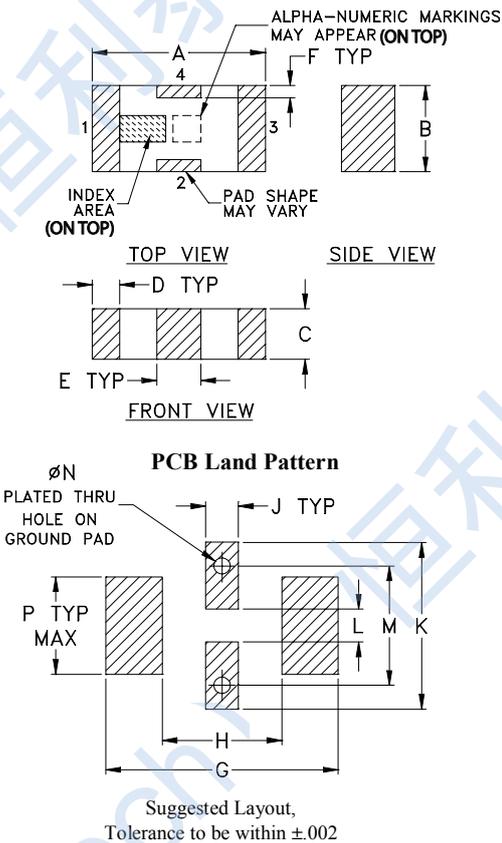
## Applications

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

## Pad Connections

RF IN	1
RF OUT	3
GROUND	2,4

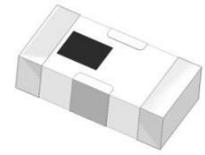
## Outline Drawing



## Outline Dimensions : inch mm

A	B	C	D	E	F	G		
.126	.063	.037	.020	.032	.009	.169		
3.20	1.60	0.94	0.51	0.81	0.23	4.29		
H	J	K	L	M	N	P	wt	
.087	.024	.122	.024	.087	.012	.071	grams	
2.21	0.61	3.10	0.61	2.21	0.30	1.80	.020	

## Functional Schematic



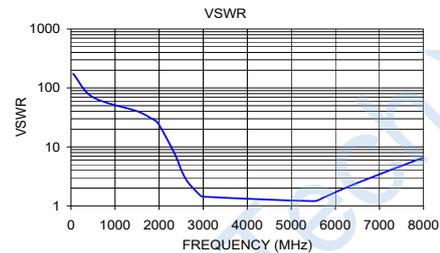
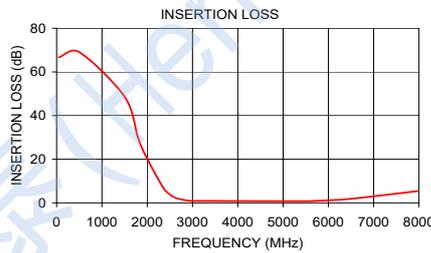
50  $\Omega$   
2650MHz to 6500MHz

## Electrical Specifications(1,2) at 25°C

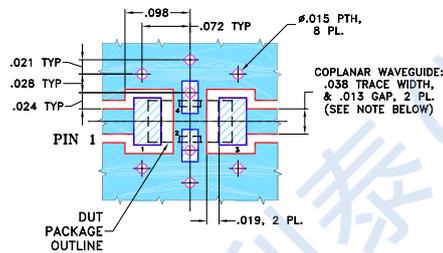
Parameter	Frequency (MHz)	Min.	Typ.	Max.	Units	
Pass Band	Insertion Loss	3000-5700	—	—	1.3	dB
		2650-6500	—	2.0	—	
Stop Band	VSWR	2900-5500	—	1.5	—	: 1
		1500	40	—	—	
	1800	20	—	—		
	Freq. Cut-Off	2500	—	3.0	—	dB
VSWR	1500-1800	—	20	—	: 1	

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.