

LTCC 高通滤波器 (High Pass Filter)

HT-HFCN-740+

Features

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

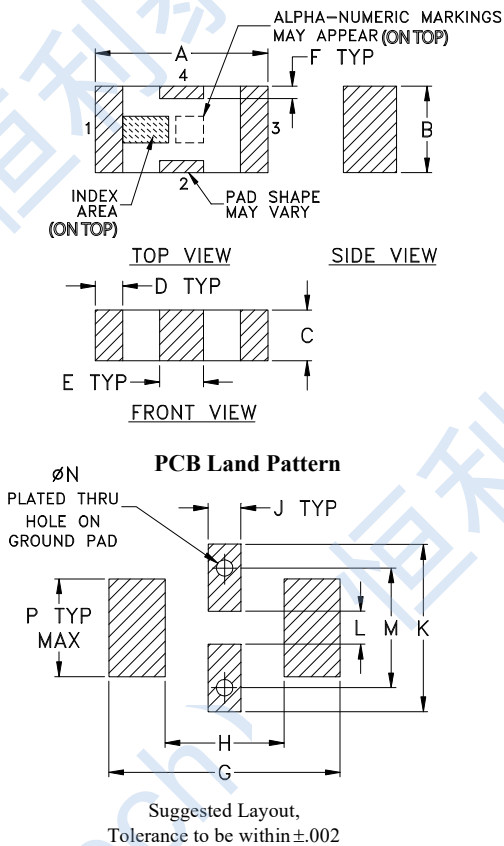
Applications

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

Pad Connections

RF IN	1
RF OUT	3
GROUND	2,4

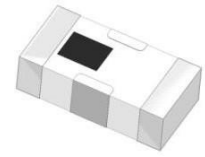
Outline Drawing



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

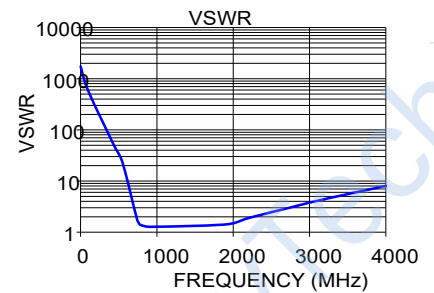
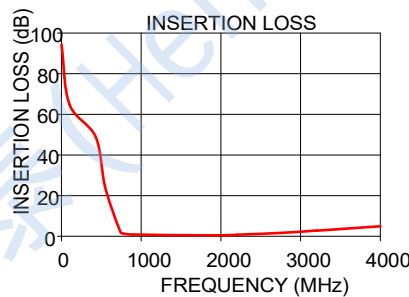


50 Ω
780MHz to 2800MHz

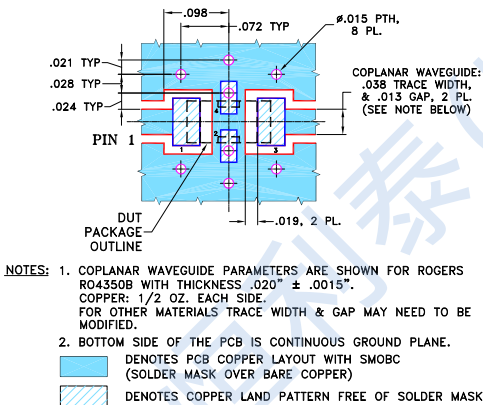
Electrical Specifications(1,2) at 25°C

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Units
Rejection Loss	430	40	—	—	dB
Stop Band Freq. Cut-Off	550	20	—	—	dB
VSWR	740	—	3.0	—	dB
VSWR	430-550	—	20	—	:1
Insertion Loss	780-2800	—	2.0	—	dB
Pass Band VSWR	900-2200	—	—	1.3	dB
VSWR	780-1900	—	1.5	—	:1

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.