

LTCC 高通滤波器 (High Pass Filter)

HT-HFCN-1200+

Features

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

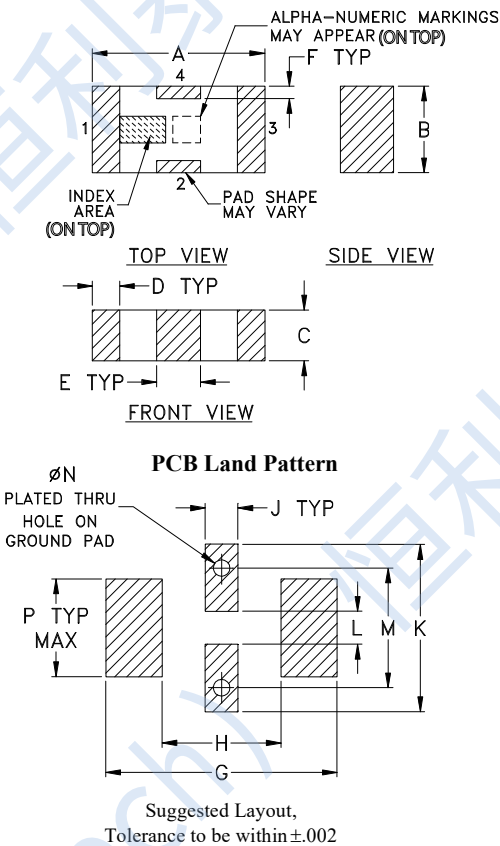
Applications

Sub-harmonic rejection
Transmitters/receivers
Lab use

Pad Connections

RF IN	1
RF OUT	3
GROUND	2,4

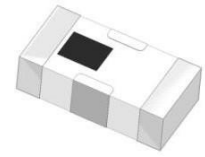
Outline Drawing



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

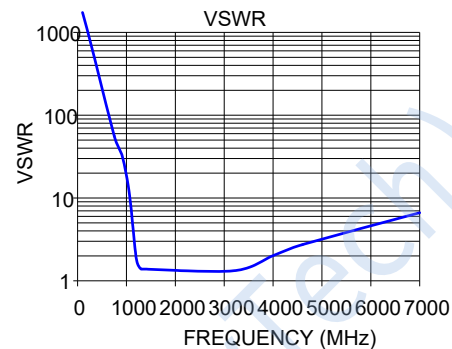
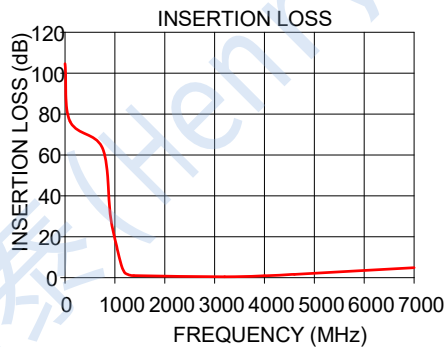


50 Ω
1220MHz to 4600MHz

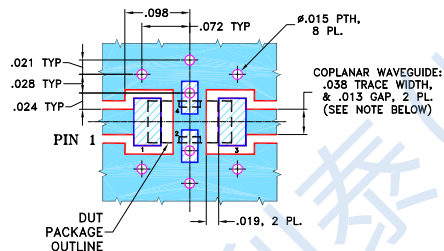
Electrical Specifications(1,2) at 25°C

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Units
Stop Band	Rejection Loss	750	40	—	dB
	910	20	—	—	
	Freq. Cut-Off	1180	3.0	—	dB
	VSWR	750-910	20	—	
Pass Band	Insertion Loss	1220-4600	2.0	—	dB
	1380-4000	—	—	1.3	
	VSWR	1300-3200	1.5	—	:1

Typical Performance Data at 25°C



Suggested PCB Layout



NOTES: 1. COPLANAR WAVEGUIDE PARAMETERS ARE SHOWN FOR ROGERS RO4350B WITH THICKNESS .020" ± .0015". COPPER: 1/2 OZ. EACH SIDE. FOR OTHER MATERIALS TRACE WIDTH & GAP MAY NEED TO BE MODIFIED.

2. BOTTOM SIDE OF THE PCB IS CONTINUOUS GROUND PLANE.

■ DENOTES PCB COPPER LAYOUT WITH SMOBC (SOLDER MASK OVER BARE COPPER)

■ DENOTES COPPER LAND PATTERN FREE OF SOLDER MASK

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.