

LTCC 带通滤波器 (Bandpass Filter)

HT-BFCN-3085+

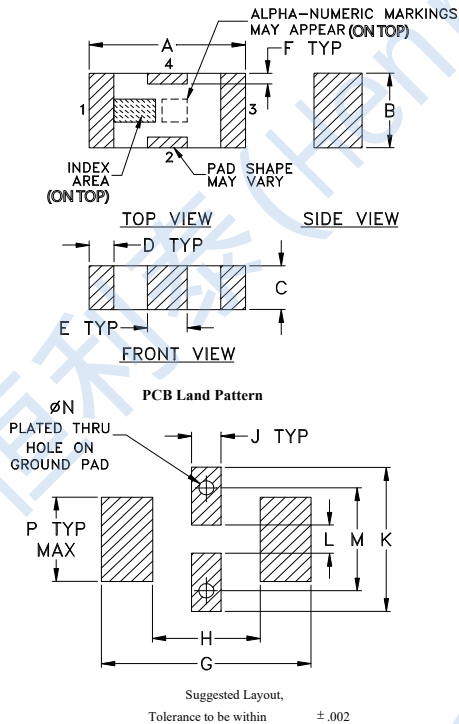
Features

- Small size
- Temperature stable
- Hermetically sealed
- LTCC construction

Applications

- Harmonic Rejection
- Transmitters / Receivers
- Test and Measurement

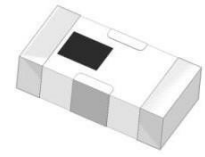
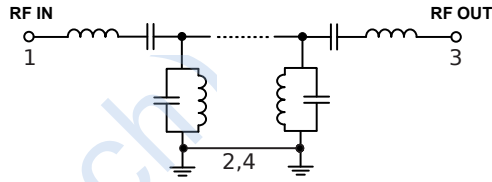
Outline Drawing



Outline Dimensions

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

Functional Schematic



50 Ω
2800MHz to 3400MHz

Electrical Specifications(1,2) at 25°C

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Units
Center Frequency	—	—	3085	—	MHz
Passband Insertion Loss	2800 - 3400	—	1.65	2.5	dB
Return Loss	2800 - 3400	6	8.5	—	dB
Stop Band, Lower Rejection	DC - 1750	20	26	—	dB
Stop Band, Upper Rejection	4250 - 7800	20	25	—	dB

Pad Connections

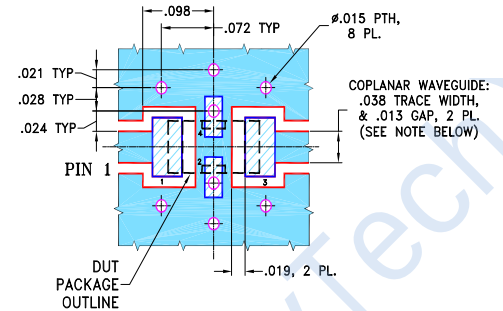
Input	1
Output	3
Ground	2, 4

Maximum Ratings

Operating Temperature	-55°C to +100°C
Storage Temperature	-55°C to +100°C
RF Power Input*	2W max at 25°C

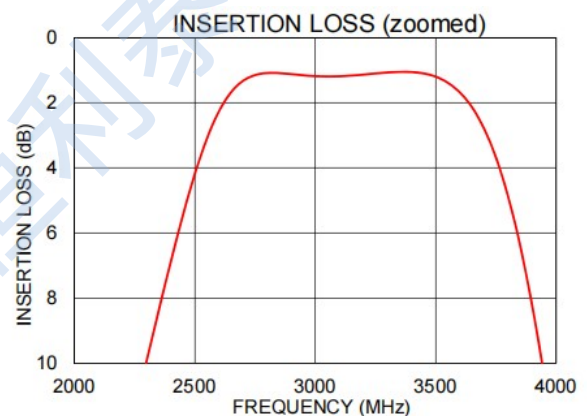
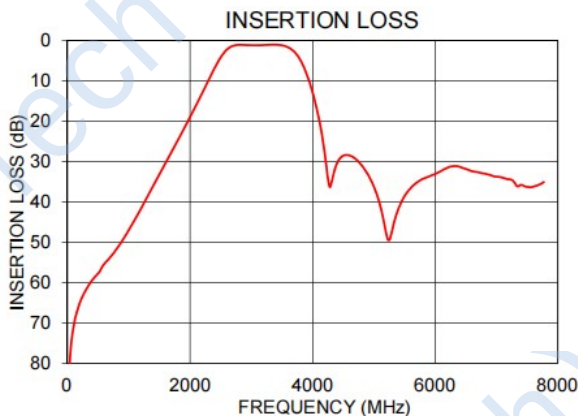
*Permanent damage may occur if any of these limits are exceeded.

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.

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

Typical Performance Data at 25°C

