成都恒利泰科技有限公司
Chengdu HenryTech Technology co., Ltd

LTCC 带通滤波器（Bandpass Filter） HT-BFCN-3115+

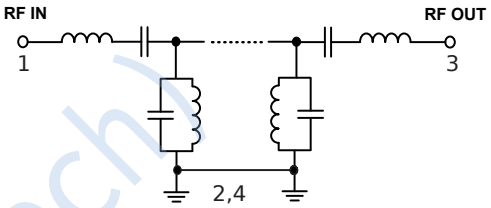
Features

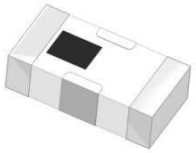
- Small size
- Temperature stable
- Hermetically sealed
- LTCC construction

Applications

- Harmonic Rejection
- Transmitters / Receivers
- Test and Measurement

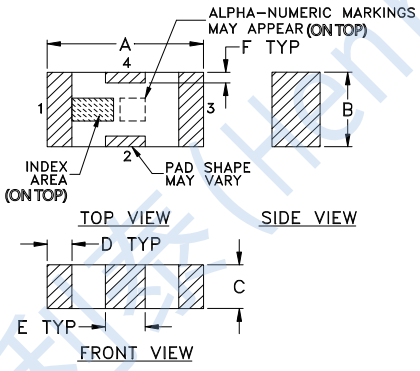
Functional Schematic



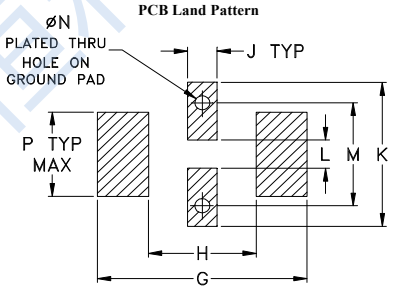


50 Ω
1530MHz to 1620MHz

Outline Drawing



PCB Land Pattern



Suggested Layout,
Tolerance to be within ±.002

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

Electrical Specifications(1,2) at 25°C

Parameter		Frequency (MHz)	Min.	Typ.	Max.	Units
	Center Frequency	—	—	3115		MHz
Passband	Insertion Loss	2720 - 3570	—	1.7	3	dB
	Return Loss	2720 - 3570	6	8.5		dB
Stop Band, Lower Rejection		DC - 1850	20	24	—	dB
Stop Band, Upper Rejection		4300 - 8160	20	23	—	dB

Pad Connections

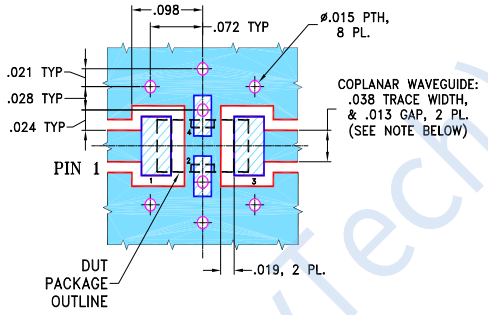
Input	1
Output	3
Ground	2,4

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

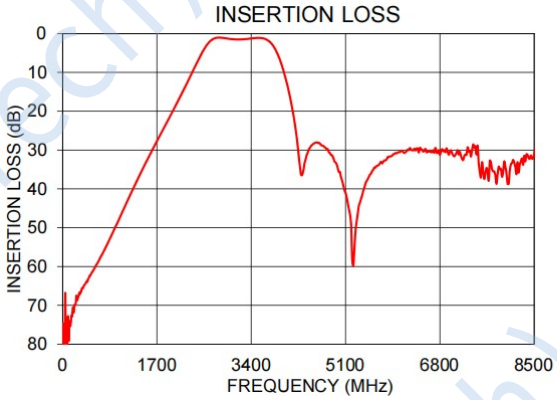


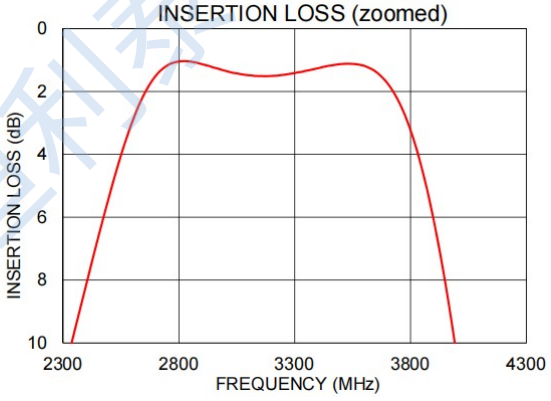
NOTES:
1. COPLANAR WAVEGUIDE PARAMETERS ARE SHOWN FOR ROGERS RO4350B WITH THICKNESS .020" ± .0015". COPPER: 1/2 OZ. EACH SIDE. FOR OTHER MATERIALS TRACE WIDTH & GAP MAY NEED TO BE MODIFIED.
2. BOTTOM SIDE OF THE PCB IS CONTINUOUS GROUND PLANE.

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

DENOTES COPPER LAND PATTERN FREE OF SOLDER MASK

Typical Performance Data at 25°C

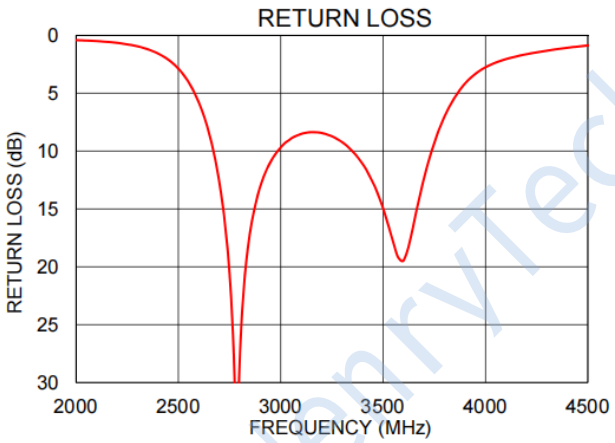




Tel: +86-28-85589664
E-mail: mr_li@henglitaitech.com
Web: www.hltchips.com
Room 1401, 14th Floor, Building 5, Huaxi Science and Technology Innovation Center, No. 50, Shuixi Road, Jinniu District, Chengdu City

LTCC 带通滤波器（Bandpass Filter） HT-BFCN-3115+

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