

**Features**

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

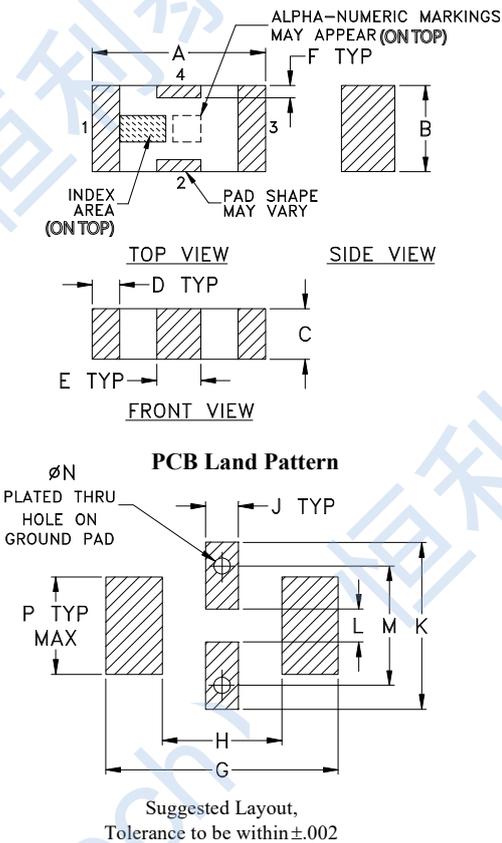
**Applications**

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

**Pad Connections**

RF IN	1
RF OUT	3
GROUND	2,4

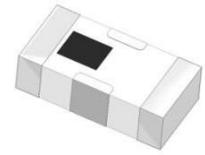
**Outline Drawing**



**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**

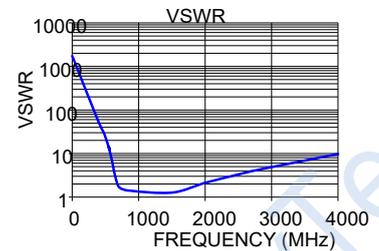
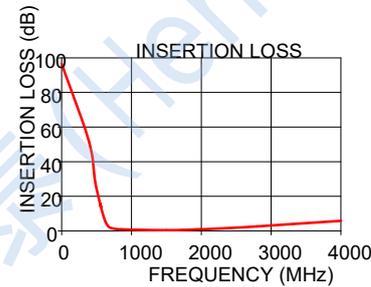


50 Ω  
710MHz to 2450MHz

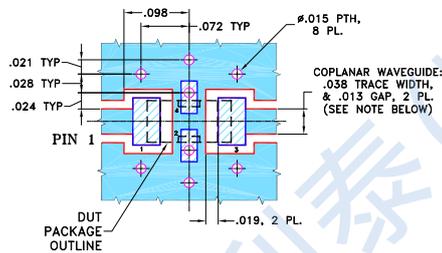
**Electrical Specifications(1,2) at 25°C**

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Units
Rejection Loss	390	40	—	—	dB
Stop Band	480	20	—	—	dB
	Freq. Cut-Off	650	—	3.0	—
VSWR	390-480	—	20	—	:1
Insertion Loss	710-2490	—	2.0	—	dB
	Pass Band	850-2000	—	—	1.3
VSWR	760-1700	—	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 +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.