

Features

- Low insertion loss.
- Good rejection.
- LTCC Construction.
- temperature stable.
- Small size.

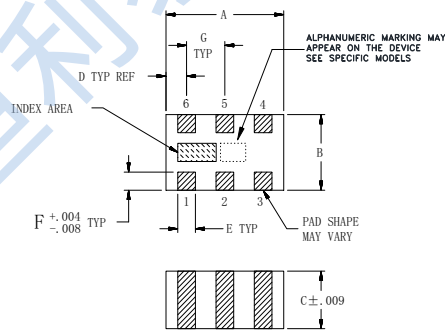
Applications

- Test and Measurement Equipment.
- Transmitters / Receivers.
- Telecommunications and broadband wireless system.

Pad Connections

RF IN	1
RF OUT	3
GROUND	2,4,5,6

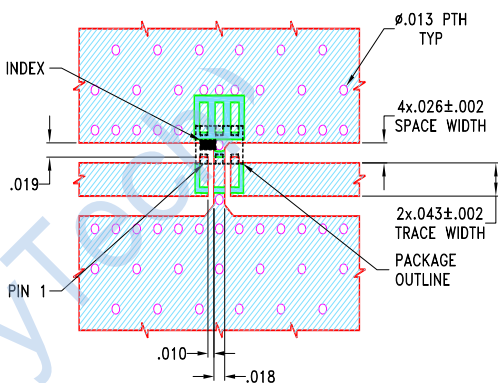
Outline Drawing



Outline Dimensions : inch mm

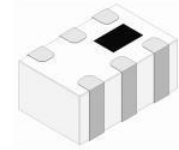
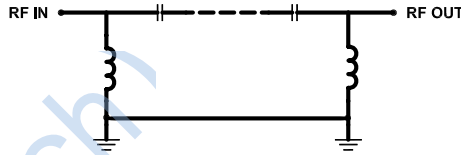
A	B	C	D	E	F	G	Wt.
.079	.049	.037	.014	.012	.012	.026	grams
2.00	1.25	0.95	0.35	0.30	0.30	0.65	.008

PCB Land Pattern



- NOTES:
1. COPLANAR WAVEGUIDE PARAMETERS ARE SHOWN FOR ROGERS (R04350B) WITH DIELECTRIC THICKNESS .020±.0015. COPPER: 1/2 Oz. EACH SIDE. FOR OTHER MATERIALS TRACE WIDTH AND GAP MAY NEED TO BE MODIFIED.
 2. BOTTOM SIDE OF THE PCB IS CONTINUOUS GROUND PLANE.
- DENOTES PCB COPPER PATTERN WITH SMOBC (SOLDER MASK OVER BARE COPPER)
■ DENOTES PCB COPPER PATTERN FREE OF SOLDERMASK

Functional Schematic



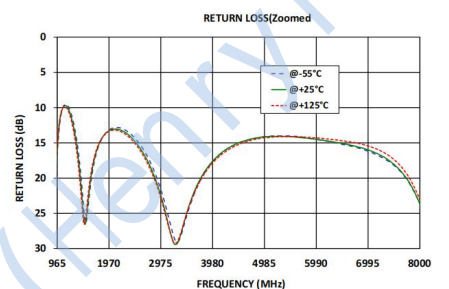
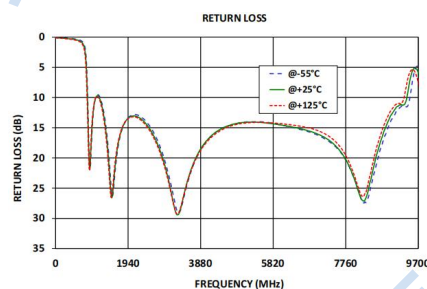
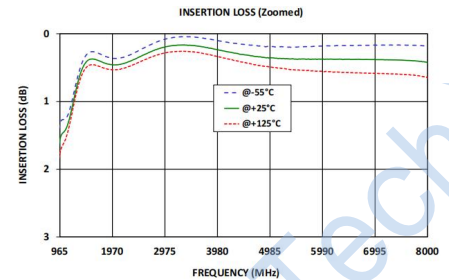
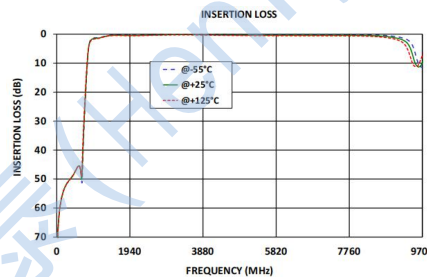
50 Ω
990MHz to 8000MHz

Electrical Specifications(1) at 25°C

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Unit
Passband	Insertion Loss	990-1800	—	1.8	dB
		1800-6500	—	0.5	
		6500-8000	—	0.5	
Passband	Return loss	990-1800	—	10	dB
		1800-6500	—	13	
		6500-8000	—	15	
Stopband	Rejection Loss	DC-500	42	47	dB
		500-690	20	44	
Stopband	Freq. Cut-Off	880	—	3	dB

1.This filter is not intended for use as a DC Blocking circuit element. In Application where DC voltage is present at either input or output ports, blocking capacitors are required at the corresponding RF port.

Typical Performance Data(1,2) at 25°C



- 1.The specifications are tested at 25°C±5°C relative humidity 55~75%.
- 2.Other quality and characteristic not specify in this datasheet. Please contact us for detail requirements.

Maximum Ratings

Operating Temperature	-55°C to +125°C
Storage Temperature	-55°C to +125°C
RF Power Input*	3W at 25°C

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