

Features

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

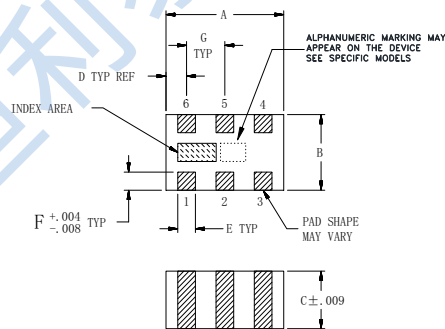
Applications

- Test and Measurement Equipment.
- Military applications.
- Telecommunications and broadband wireless system.

Pad Connections

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

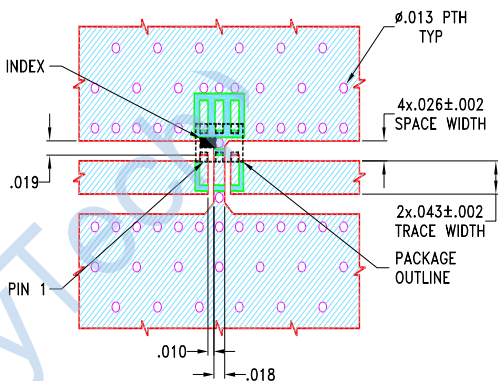
Outline Drawing



Outline Dimensions : inch mm

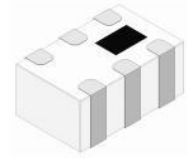
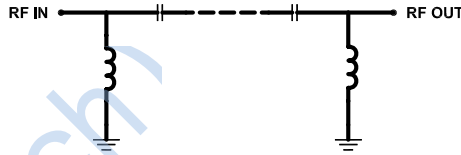
A	B	C	D	E	F	G	Wt.
.079	.049	.037	.014	.012	.012	.026	grams
2.00	1.25	0.95	0.35	0.30	0.30	0.65	.008

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



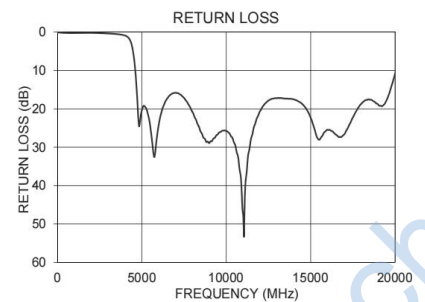
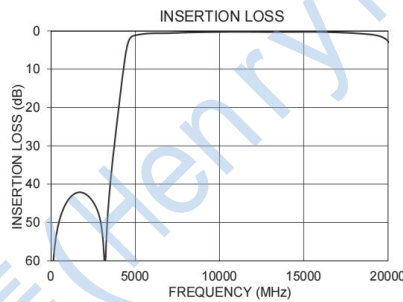
50 Ω
4900MHz to 18500MHz

Electrical Specifications at 25°C

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Unit
Passband	4900-5300	-	2.0	-	dB
	5300-6100	-	1.5	2.0	dB
	6100-17000	-	0.9	1.4	dB
	17000-18500	-	1.0	-	dB
Return Loss	4900-18500	-	12	-	dB
Stopband	DC-3000	36	42	-	dB
	3000-3500	25	38	-	dB
	Freq. Cut-Off	4560	-	3.5	-

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 at 25°C



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.