

Features

- Frequency: 2-18GHz
- Insertion Loss: 0.7dB
- Input/Output: 50Ω
- Chip Size: 1.97 x 1.924 x 0.1mm

Typical Applications

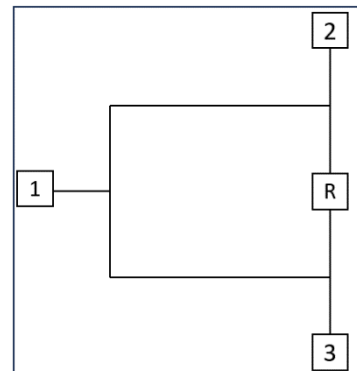
- Test Instrumentation
- Microwave Radio & VSAT
- Military & Space
- Telecom Infrastructure
- Fiber Optics

Electrical Specifications

TA = +25°C

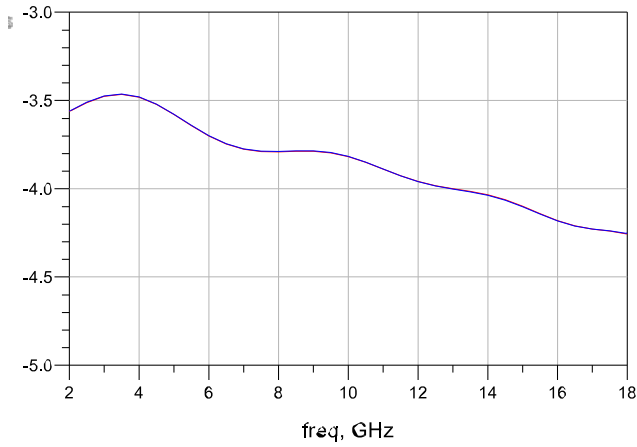
Parameters	Min.	Typ.	Max.	Units
Frequency	2		18	GHz
Insertion Loss		0.7		dB
Flatness		±0.5		dB
Isolation		22		dB
Input Return Loss		21		dB
Output Return Loss		22		dB

Functional Block Diagram

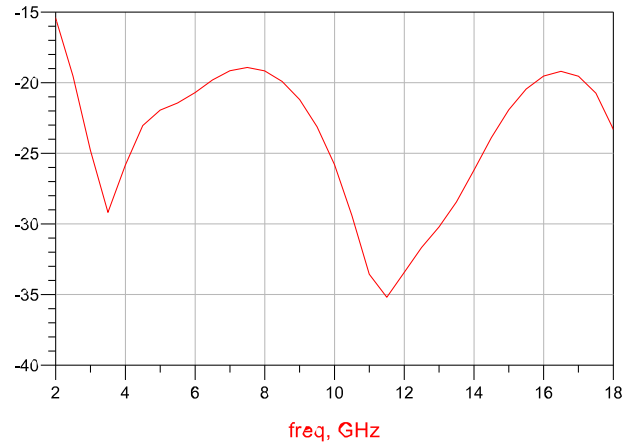




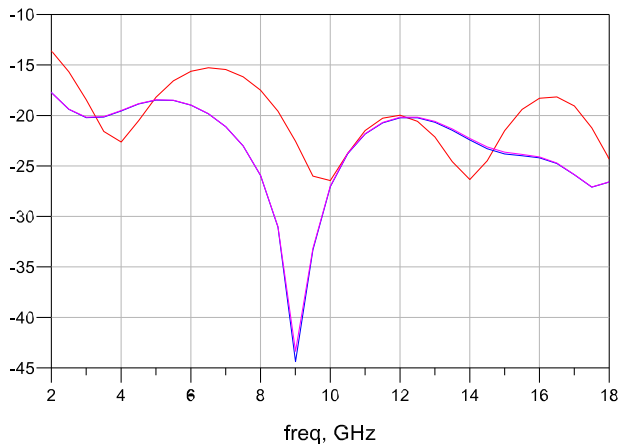
Insertion Loss vs. Frequency

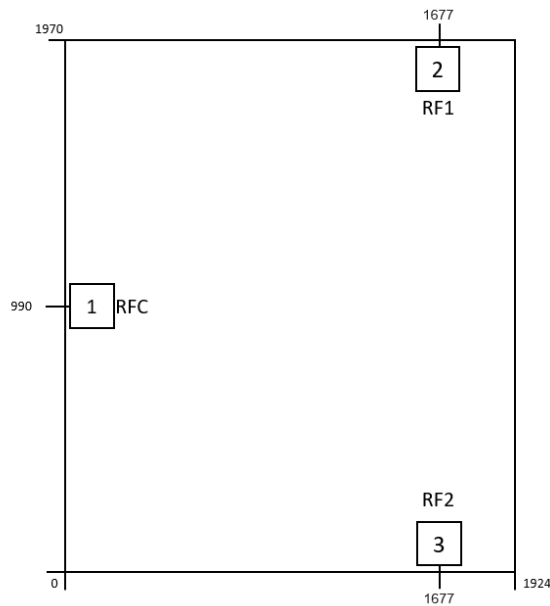
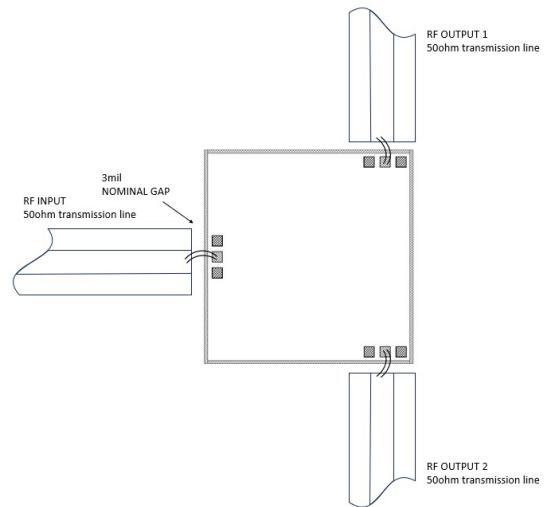


Isolation vs. Frequency



Return Loss vs. Frequency



Outline Drawing: All Dimensions in μm

Assembly Drawing

Absolute Maximum Ratings

RF Input Power	+40dBm
Operating Temperature	-55°C to +85 °C
Storage Temperature	-65°C to +150 °C

No	Symbol	Description
1	RF IN	RF Input Port
2,3	RF OUT	RF Output Port

Notes:

1. Die thickness: 100 μm
2. RF IN/OUT bond pad is 100 x 100 μm^2
3. Bond pad metalization: Gold
4. Backside metalization: Gold
5. Backside of the die (GND)

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