

FEATURES :

- **Wide Bandwidth**
- **Internally Terminated**
- **Integrated Control Logic**

SPECIFICATIONS

| | |
|---------------------------------|----------|
| Frequency Range, [MHz] | 400-6000 |
| Insertion Loss, [dB] @1GHz | 2.3 |
| @2GHz | 2.5 |
| @6GHz | 3 |
| Isolation, [dB] 0.4 - 4GHz | 40 |
| 4 - 6GHz | 30 |
| Return Loss, [dB] 0.4-0.6GHz | 15 |
| 0.6 - 6GHz | 17 |
| Input 1dB C.P. min [dBm] | +23 |
| Input IP ³ min [dBm] | +37 |

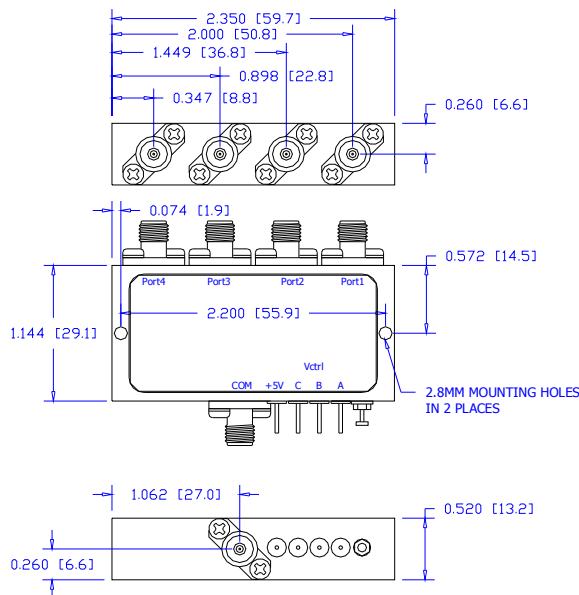
Operating Characteristics

| | |
|-----------------------------|--------------|
| Bias Supply voltage Vd, [V] | 5 |
| Control voltage Vc, [V] | 0/5 |
| Operating Temperature | 0°C to +50°C |
| Impedance, [Ohm] | 50 |

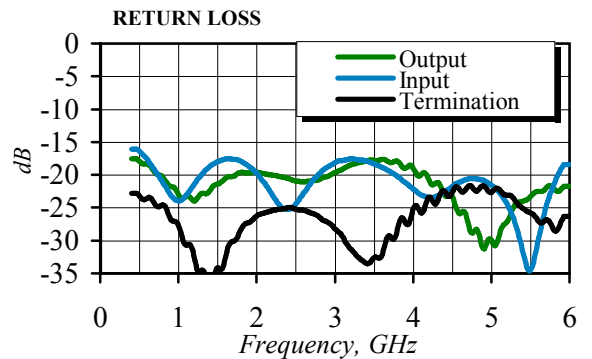
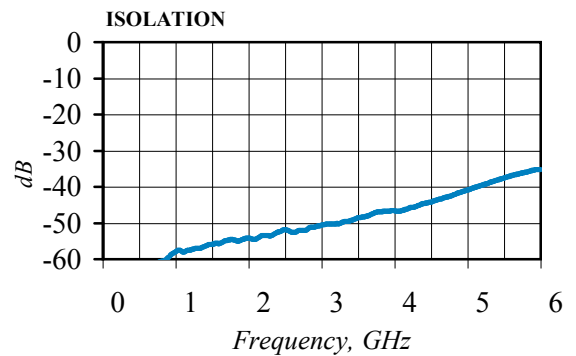
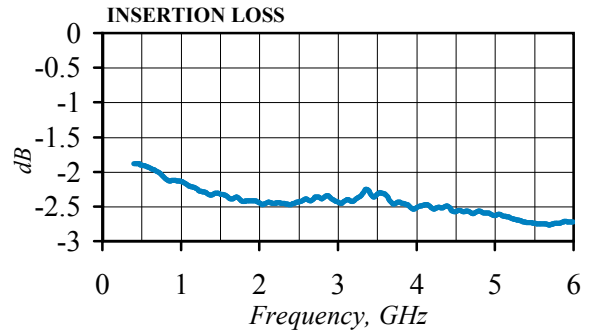
Absolute Maximum Ratings

| | |
|-------------------------------|------------|
| Bias Voltage Range Vd, [V] | -0,2 to +7 |
| Control voltage range Vc, [V] | -0,2 to Vd |
| Maximum input power, [dBm] | +27 |

Outline drawing dimensions in inches [mm]



Typical Performance



Control Logic truth table

| Switch state | A | B | C | RFC to RF1 | RFC to RF2 | RFC to RF3 | RFC to RF4 |
|--------------|---|---|---|------------|------------|------------|------------|
| 1 | 0 | 0 | 0 | Ins.l | Iso | Iso | Iso |
| 2 | 1 | 0 | 0 | Iso | Ins.l | Iso | Iso |
| 3 | 0 | 1 | 0 | Iso | Iso | Iso | Ins.l |
| 4 | 0 | 0 | 1 | Iso | Iso | Ins.l | Iso |

Specifications Subject To Change Without Notice