

FEATURES :

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

SPECIFICATIONS

| | |
|---------------------------------|----------|
| Frequency Range, [MHz] | 100-2500 |
| Insertion Loss, [dB] @1GHz | 1.2 |
| @2GHz | 1.4 |
| @2.5GHz | 1.6 |
| Isolation, [dB] 0.1 - 1GHz | 35 |
| 1 - 2.5GHz | 30 |
| Return Loss, [dB] 0.1-2.5GHz | 20 |
| Input 1dB C.P. min [dBm] | +21 |
| Input IP ³ min [dBm] | +42 |

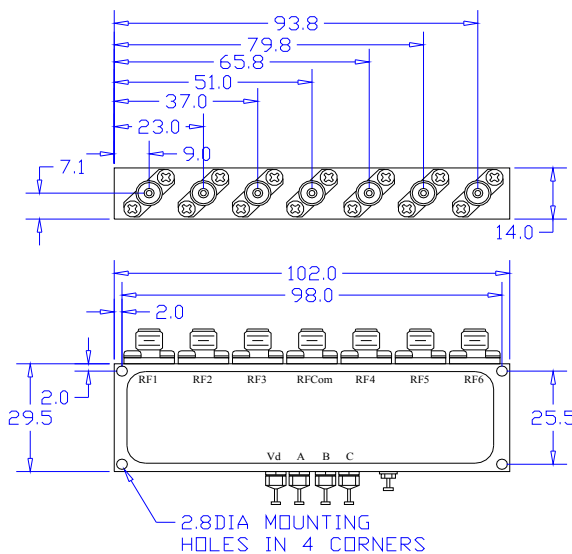
Operating Characteristics

| | |
|-----------------------------|--------------|
| Bias Supply voltage Vd, [V] | 5 |
| Control voltage Vc, [V] | 0/5 |
| Operating Temperature | 0°C to +70°C |
| Impedance, [Ohm] | 50 |

Absolute Maximum Ratings

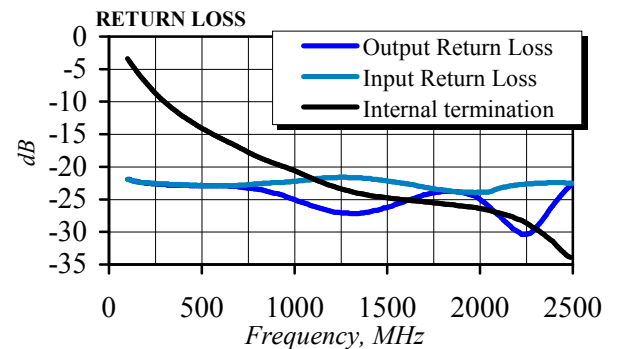
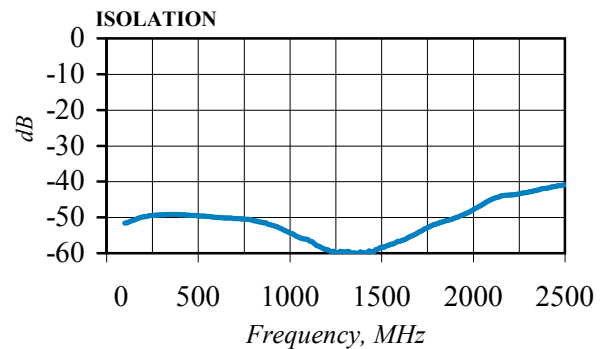
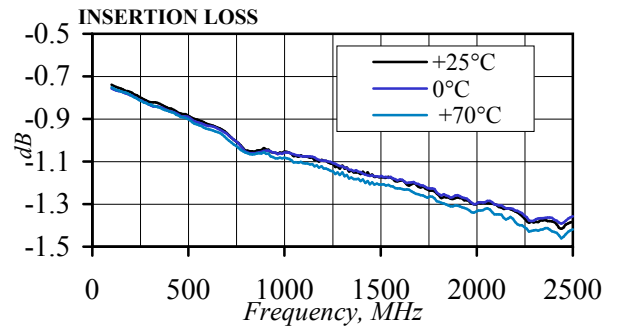
| | |
|-------------------------------|-----------------|
| Supply Voltage Range Vd, [V] | 0 to +7 |
| Control voltage range Vc, [V] | -0,5 to Vd+1Vdc |
| Maximum input power, [dBm] | +20 |

Outline drawing



DIMENSIONS IN MM

Typical Performance



Control Logic truth table

| Switch state | A | B | C | RFCom to |
|--------------|---|---|---|----------|
| 1 | 0 | 0 | 0 | RF4 |
| 2 | 0 | 0 | 1 | RF5 |
| 3 | 0 | 1 | 0 | RF6 |
| 4 | 0 | 1 | 1 | RF1 |
| 5 | 1 | 0 | 0 | RF2 |
| 6 | 1 | 0 | 1 | RF3 |
| 7 | 1 | 1 | 0 | All OFF |
| 8 | 1 | 1 | 1 | All OFF |