

Features

- Design : SP4T Absorptive
- Ultra Wide Band
- Low Insertion Loss 2.5 dB
- Fast Switching Speed
- RoHS and REACH Compliant

Electrical Specifications

| Description | Units | Minimum | Typical | Maximum |
|-------------------|-------|---------|---------|---------|
| Freq. Range | GHz | 14.4 | | 15 |
| Input Power | W | | 0.5 | |
| Insertion Loss | dB | | | 2.5 |
| VSWR | :1 | | | 2 |
| Isolation | dB | 70 | | |
| Switching speed | nsec | | | 200 |
| Rise / Fall time | nsec | | | - |
| DC Biasing (+5V) | mA | | 200 | |
| DC Biasing (-5V) | mA | | 50 | |
| Control Interface | | | PIN | |
| Control Type | | | TTL | |
| Impedance | Ohms | | 50 | |
| Operating Temp. | °C | -45 | | +85 |

Special Requirements

Note

- Electronic Specification Note : Values at 25deg , sea level. Test indicators will deteriorate at high and low temperature ;
- Switching speed is 50% TTL to 90% RF (T- ON) and 50% TTL to 10% RF (T- OFF) ;
- Rise / Fall time : 10% RF to 90% RF and 90% RF to 10% RF ;

Mechanical Specifications

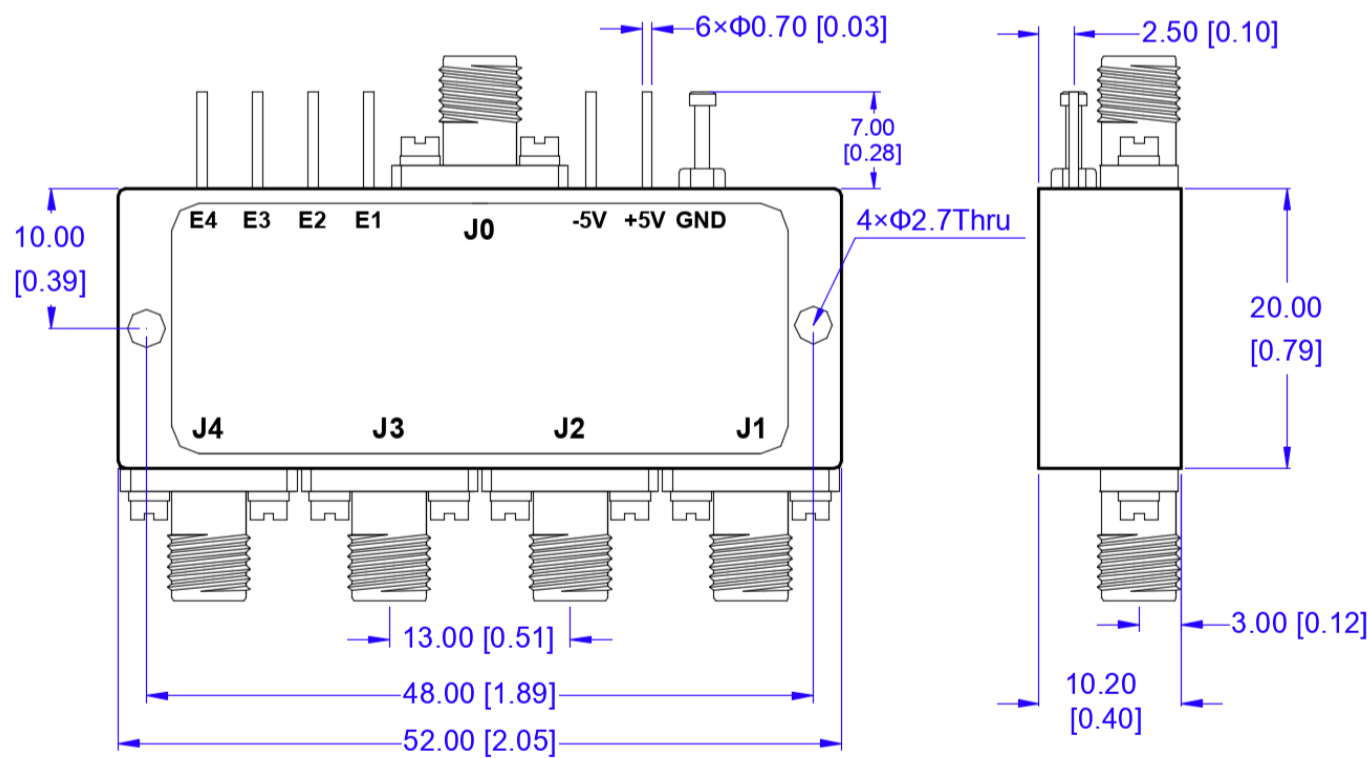
| | |
|------------------------|----------------------------|
| Dimension L*W*H | 52*20*10.2 mm |
| Input Connector | SMA-Female Stainless Steel |
| Output Connectors | SMA-Female Stainless Steel |
| Weight | 40 g |
| Finishing | Gold Plated |
| Environment | Nominal |
| RoHS / REACH Compliant | ✓ |

Truth Table

| Control Input TTL | | | | Signal PathState |
|-------------------|----|----|----|------------------|
| E4 | E3 | E2 | E1 | |
| 1 | 1 | 1 | 0 | J0-J1 |
| 1 | 1 | 0 | 1 | J0-J2 |
| 1 | 0 | 1 | 1 | J0-J3 |
| 0 | 1 | 1 | 1 | J0-J4 |

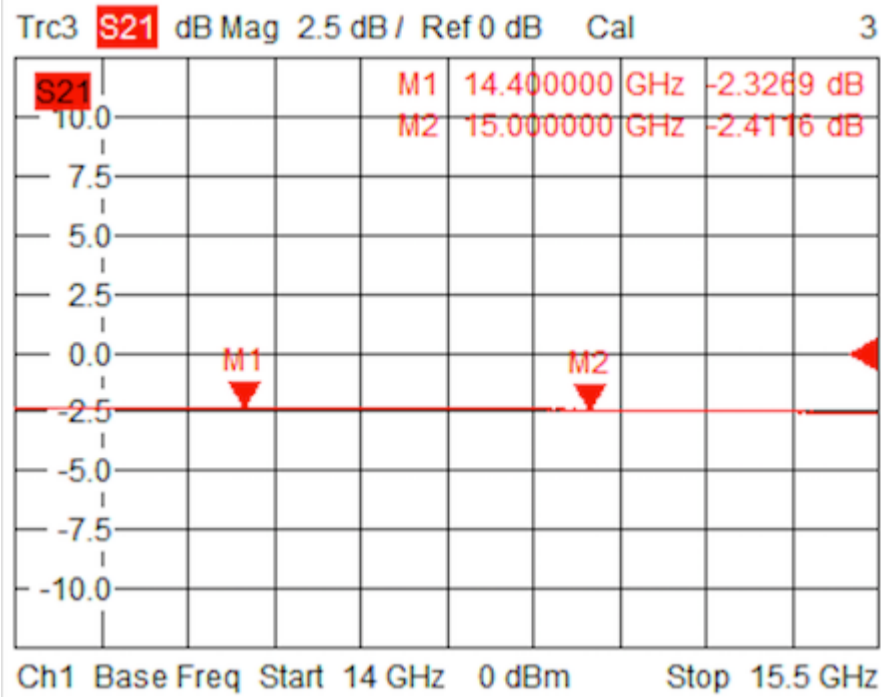
- TTL Control Voltage : High (1) : 2.8 to 5V
- TTL Control Voltage : Low (0) : 0 to 0.8V
- Low Power cold Switching

CAD Drawing

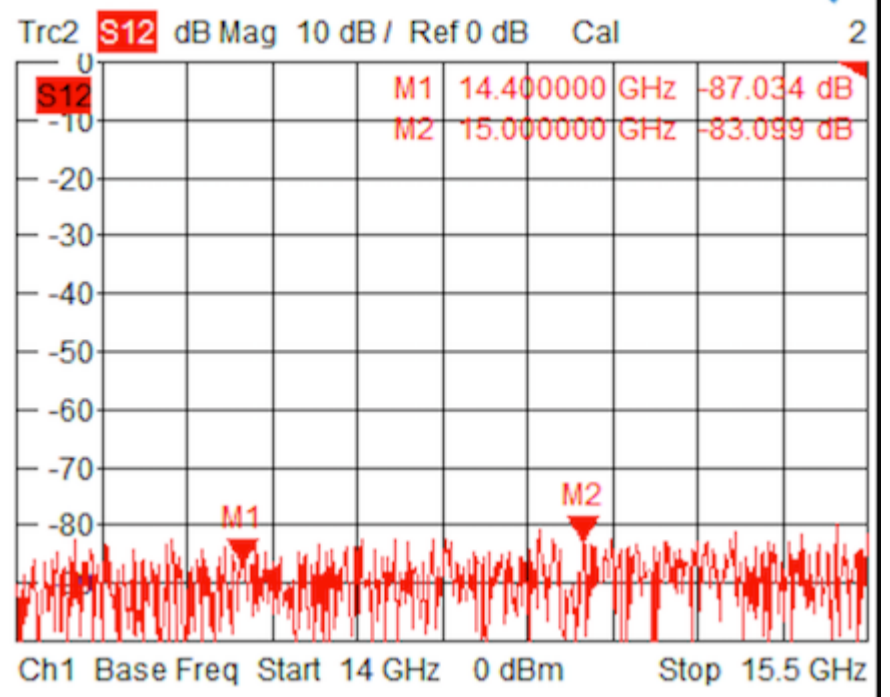


Dimensions are in mm [Inches]
Tolerances : Outline drawing: ±0.2 [0.008]
Hole: ±0.008 [0.008]

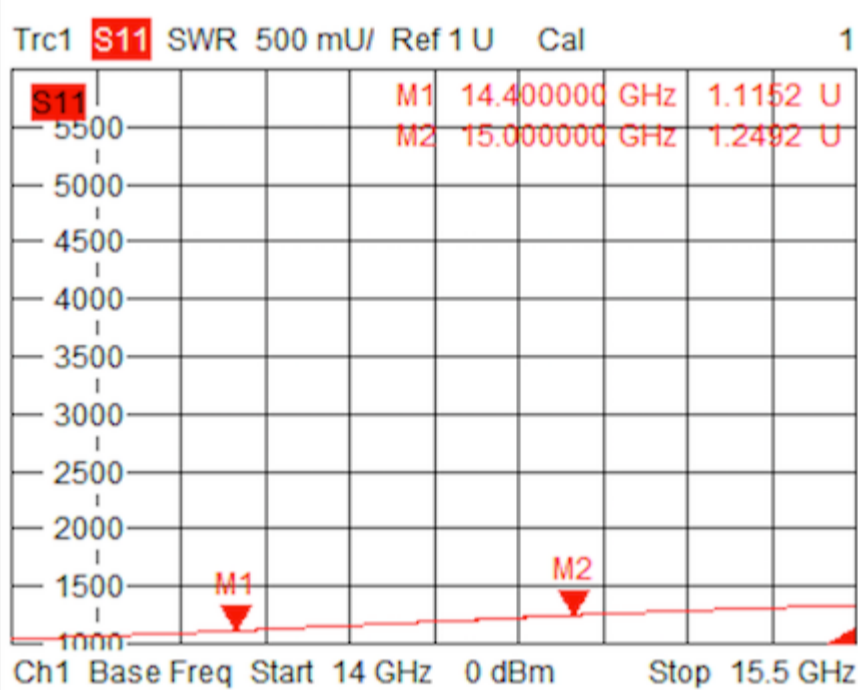
J0 - J1



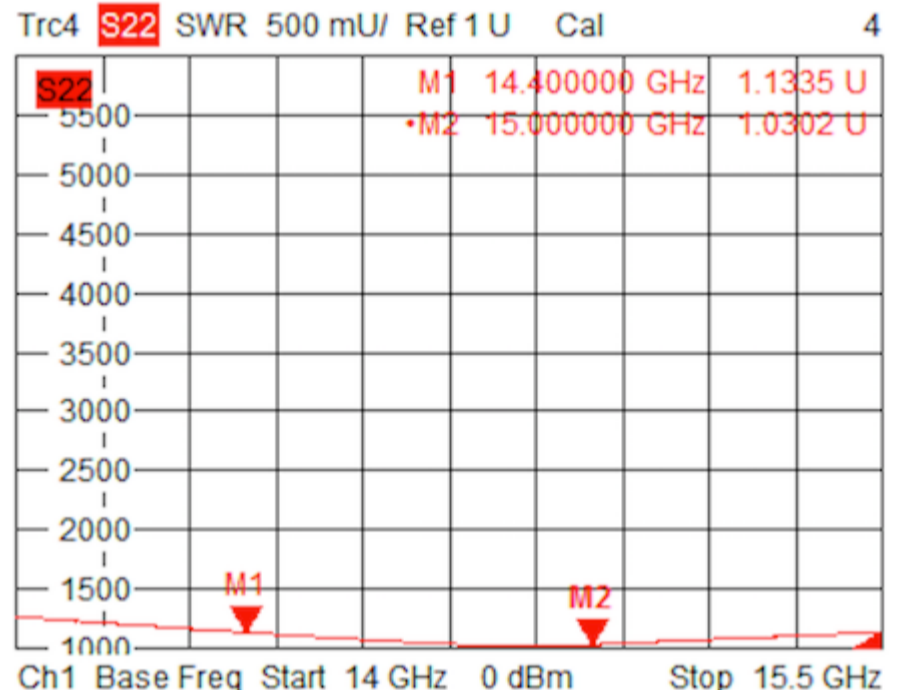
J1 Isolation



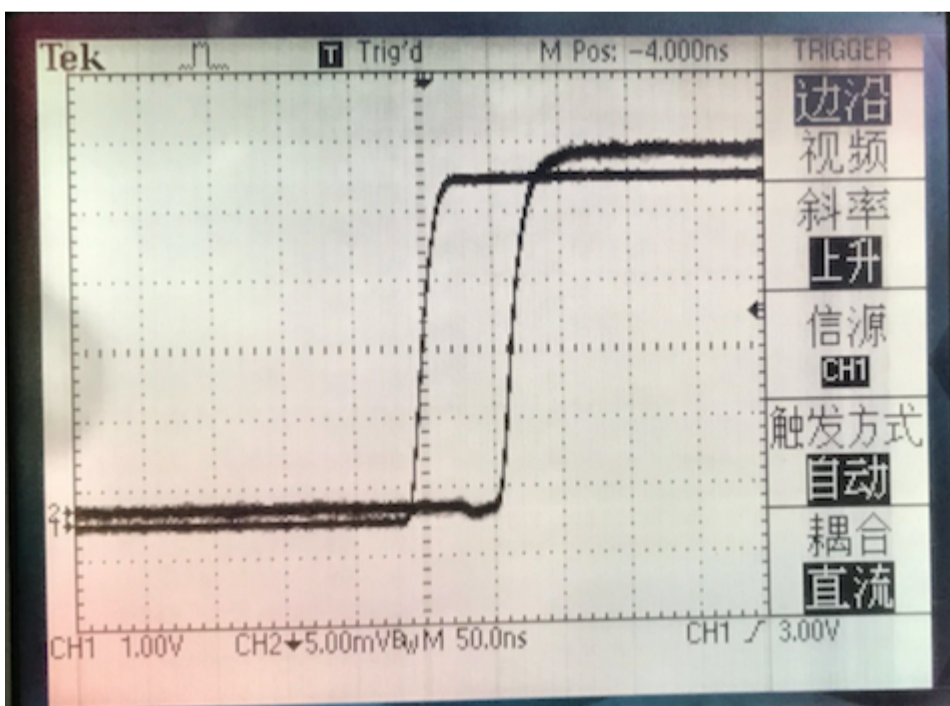
J0 - J2



J2 Isolation



Turn On Switching Speed



Turn Off Switching Speed

