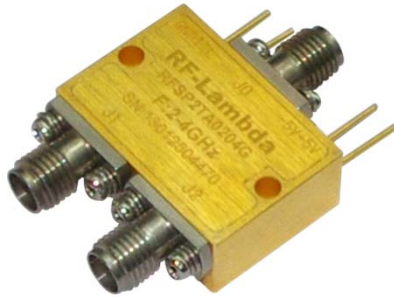




Absorptive 2-4GHz Coaxial SP2T Switch



Features

- Wide Band Operation 2-4GHz
- High Power Handle Capability up to 5W upon request.
- TTL compatible driver include
- Fast Switching Speed
- Low Insertion Loss and High Isolation
- Temperature Range -45°C~+85°C
- Customization available upon request

| Specification | Reflective type | | |
|-------------------------------|-----------------------|------------------|---------------------|
| | PN: RFSP2TR0204G | | |
| | Low | Med | High |
| Frequency Range(GHz) | 2 | 3 | 4 |
| Insertion Loss(dB) | 1.0dB typ. @2GHz | 1.2dB typ. @3GHz | 1.5dB typ. @4GHz |
| VSWR | 1.3 | 1.3 | 1.4 |
| Isolation(dB) | 85 | 85 | 80 |
| Switching Speed(ns) | 50 | 100 | 150 |
| P1dB Power (dBm) | | 24 | |
| Absolutely max. Power (W) | | | 5-100W Upon Request |
| Weight (g) | 25 | | |
| IIP3 (Input IP3) dBm | 42.92 | | |
| Impedance(Ohms) | 50Ω | | |
| Power Supply (V) | +/-5 V DC | | |
| Current(mA) | 80mA (+5V) 30mA (-5V) | | |
| Input Connector | SMA-Female | | |
| Output Connector | SMA-Female | | |
| Finishing | Gold Plating | | |
| Material | Brass | | |
| Seal | Hermetically Sealed | | |
| Control (TTL Driver Included) | TTL Control | | |
| | TTL | Status | |
| | 0 | Jo-J2 | |
| | 1 | Jo-J1 | |

Reflective Coaxial Single Pole Double Throw Switch 2-4GHz



RF-LAMBDA

The power beyond expectations

RFSP2TR0204G

Reflective Coaxial Single Pole Double Throw Switch 2.4GHz

| Absolute Maximum Ratings | |
|--------------------------|------------|
| Biasing | +/-5 V |
| TTL Control Voltage | +5V/0V |
| Input RF power | +30dBm |
| Storage Temperature (C°) | -50 ~ +125 |

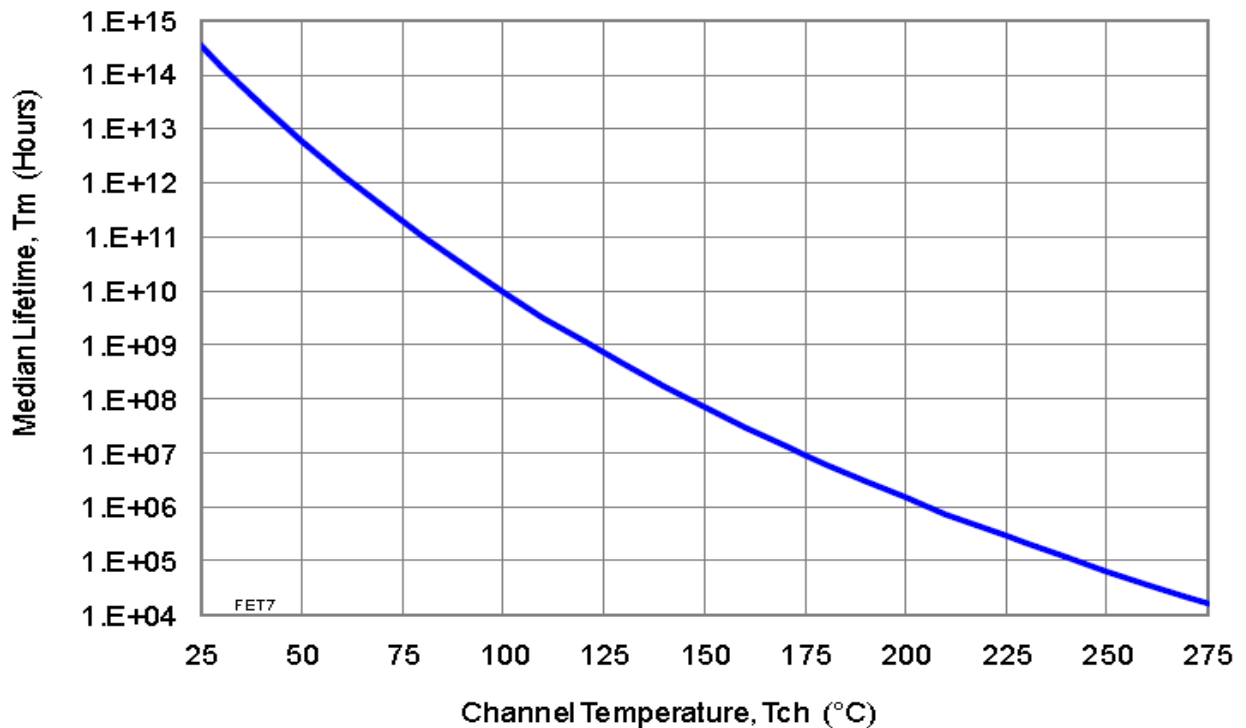
| Biasing Up Procedure | |
|----------------------|-----|
| Step 1 | -5V |
| Step 2 | +5V |
| Step 3 | TTL |
| Power OFF Procedure | |
| Step 1 | +5V |
| Step 2 | -5V |
| Step 3 | TTL |

| Environment specifications | |
|------------------------------|------------------------------------|
| Operational Temperature (C°) | -45 ~ +85 |
| Storage Temperature (C°) | -50 ~ +125 |
| Altitude | 30,000 ft (Controlled environment) |
| Vibration | 25g rms (15 degree 2KHz) |
| Humidity | 100% RH at 35c, 95%RH at 40 deg c |
| Shock | 20G for 11msc |

| Ordering Information | | |
|----------------------|-------|------------------------------|
| Part No | ECCN | Description |
| RFSP2TR0204G | EAR99 | SP2T 2-4GHz PIN Diode Switch |



Median Lifetime (Tm) vs. Channel Temperature (Tch)



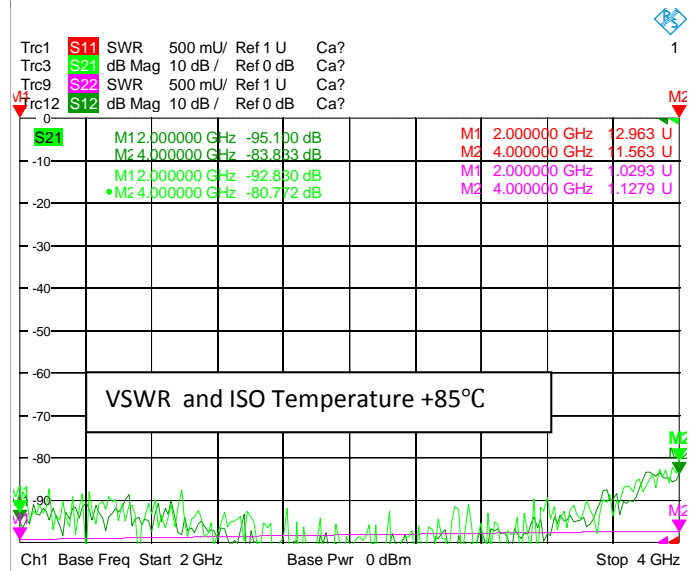
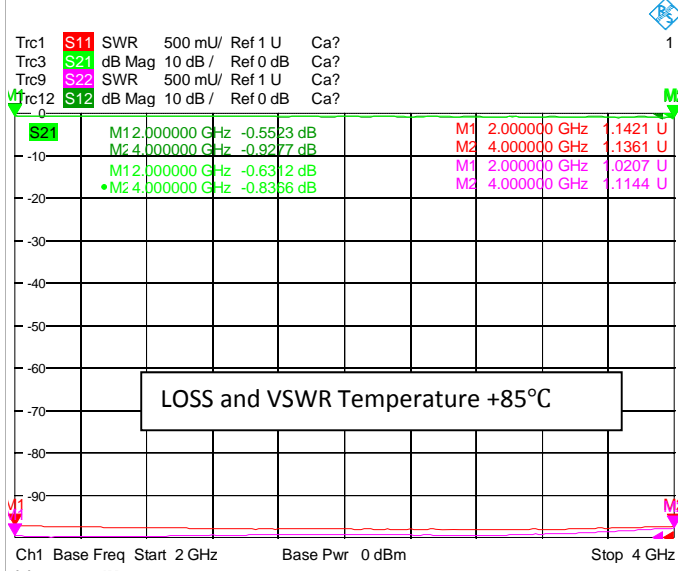
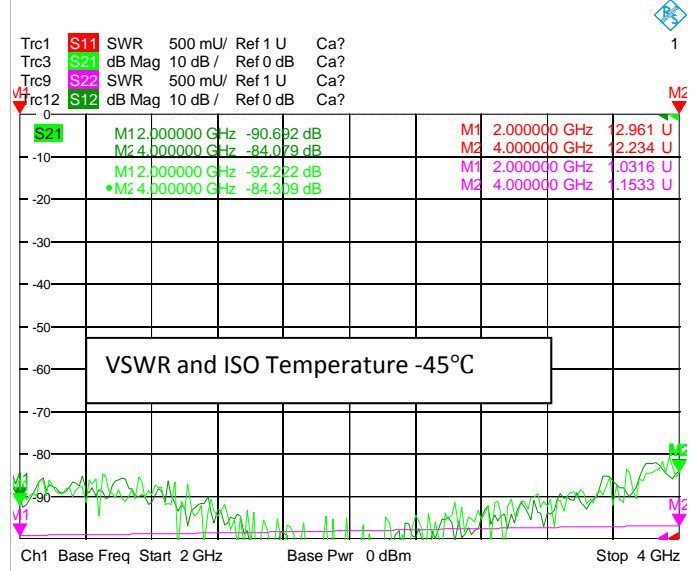
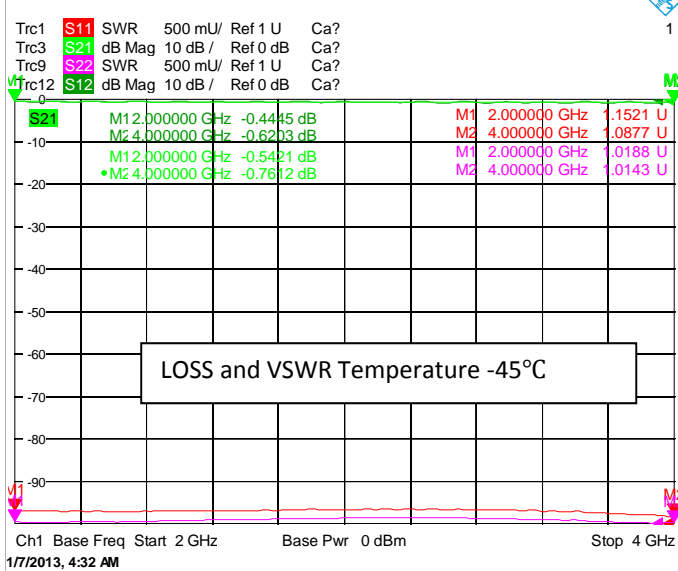
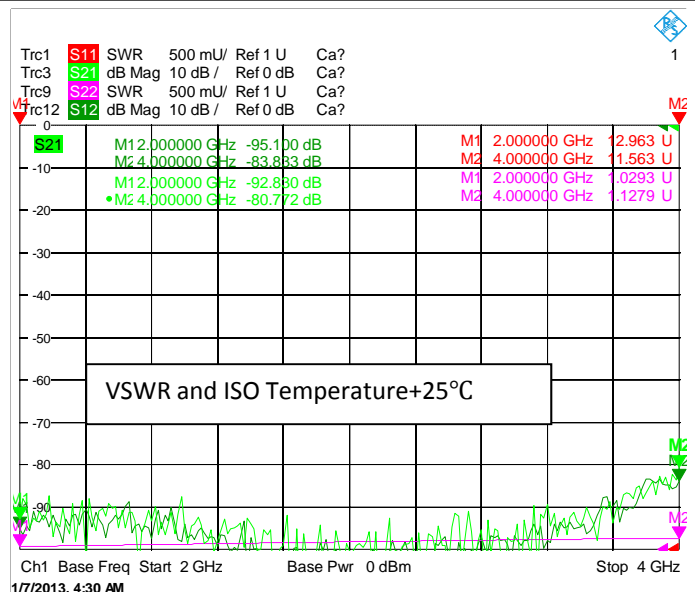
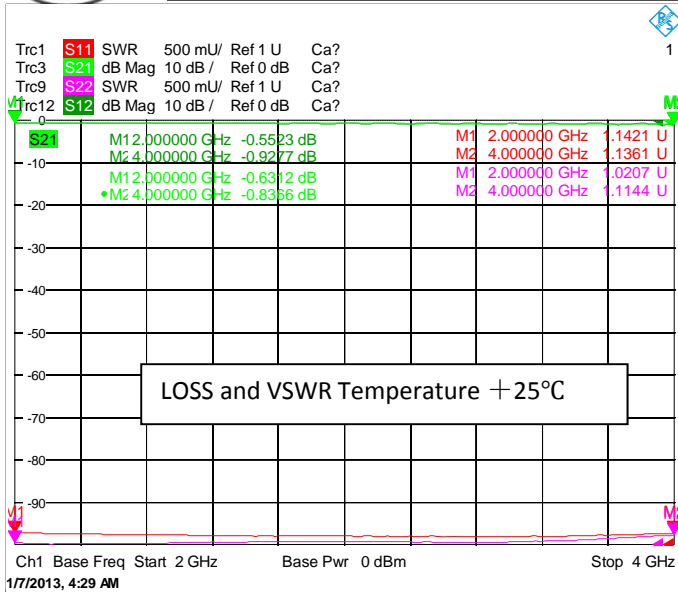


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The power beyond expectations

RFSP2TR0204G

Reflective Coaxial Single Pole Double Throw Switch 2-4GHz



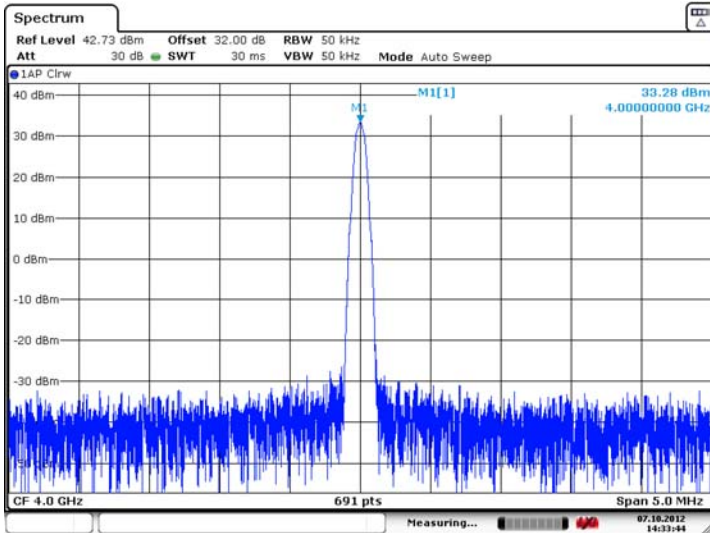


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The power beyond expectations

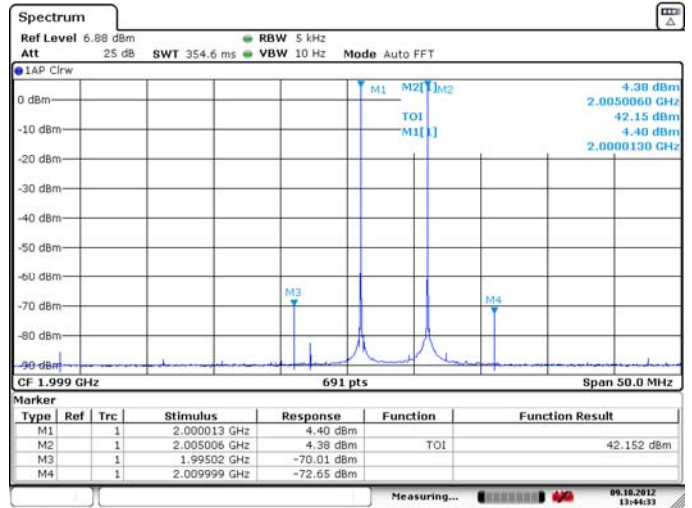
RFSP2TR0204G

1dB Compression Point

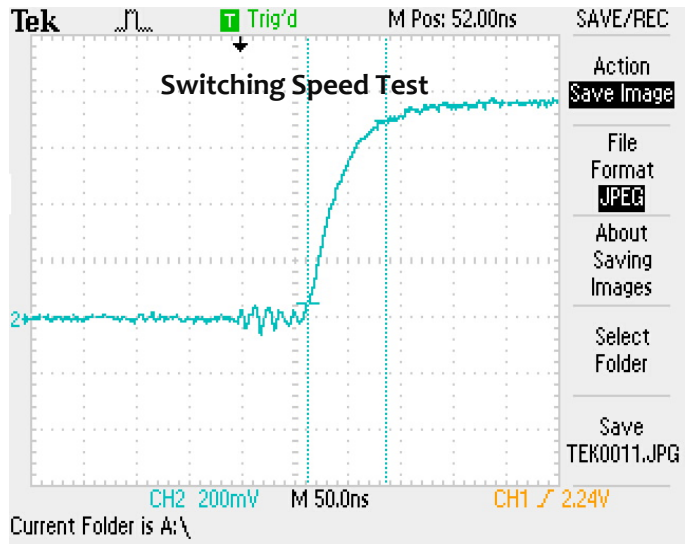
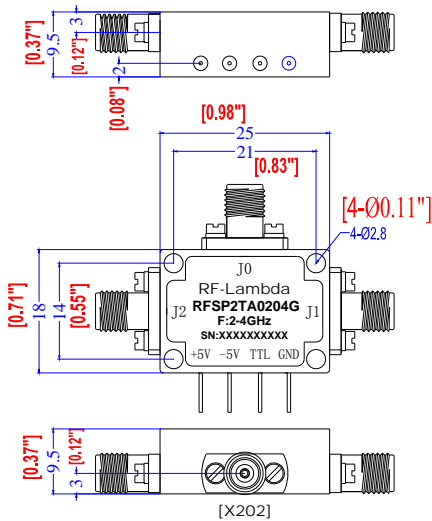
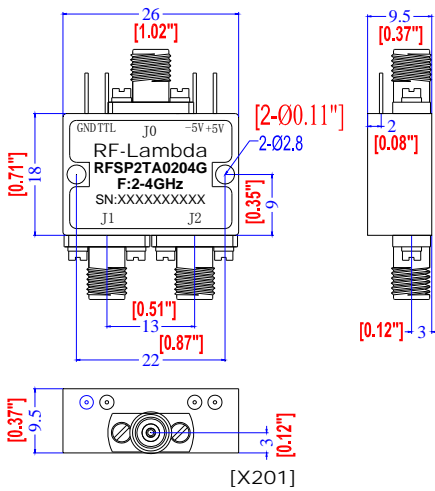


Date: 7.OCT.2012 14:33:44

IP₃ – INPUT IP₃ Point



Date: 9.OCT.2012 13:44:33



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Reflective Coaxial Single Pole Double Throw Switch 2.4GHz