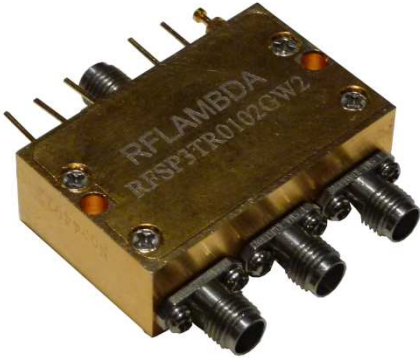


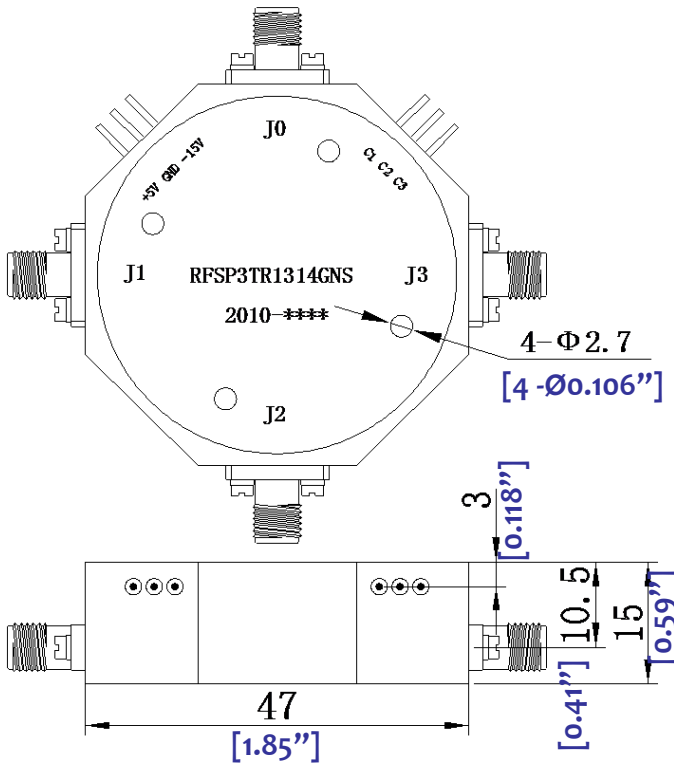


### Reflective 10W 13-14GHz Coaxial SP3T



- High Power Operation 13-14GHz
- TTL compatible driver include
- Fast Switching Speed 200ns
- Low Insertion Loss and High Isolation
- Temperature Range -55°C~+85°C
- Customization available upon request

| Reflective SPST- Single Pole Double Throw |             |                   |              |                    |               |  |                      |
|---|-------------|-------------------|--------------|--------------------|---------------|--|----------------------|
| Part Number                               | Freq. (GHz) | Insert. Loss (dB) | VSWR (Max:1) | Isolation min (dB) | Power (Watts) | Peak Power                                     | Switching Speed (ns) |
| RFSP3TR1314G                              | 13-14       | 2.5               | 1.50         | 45 min             | 10W CW        | 43dBm PK Opt.<br>47dBm PK survival<br>40 us PW | 500ns                |



#### Electrical Operation

DC Biasing: +5.0V (100mA max.)  
-15.0V (100mA max.)

TTL Logic Control: (C) HIGH = "ON"

#### Environment Specifications:

- Operational Temperature: -55°C~+85°C
- Storage Temperature: -55°C~+125°C
- Altitude: 45,000 ft
- Vibration: 10g rms (15 degree 2KHz)
- Humidity: 100% RH at 35c, 95% RH at 40c
- Shock: 20g for 11msc

#### Mechanical Specification

Case Style: AS SHOWN  
 Finishing: Nickel plating for brass material  
 Other finishing available  
 Connector: SMA-F Per MIL-C-39012  
 Control PIN: 0.02" dia x 0.15" solder pins  
 Weight: 100 grams max.  
 Mounting: (4) 0.1" dia through holes

|                                | $I_L$ (dB) | $I_{50}$ (dB) | $V_{SWR}$ |
|--------------------------------|------------|---------------|-----------|
|                                | (max)      | (min)         | (max)     |
| J <sub>0</sub> -J <sub>1</sub> | 2.28       | 48.2          | 1.36      |
| J <sub>0</sub> -J <sub>2</sub> | 2.03       | 49.2          | 1.44      |
| J <sub>0</sub> -J <sub>3</sub> | 2.08       | 45.8          | 1.32      |

Note: Contact RF-Lambda for faster switching speed, higher power handle, higher isolation

Reflective Coaxial Single Pole Three Throw Switch 13-14GHz