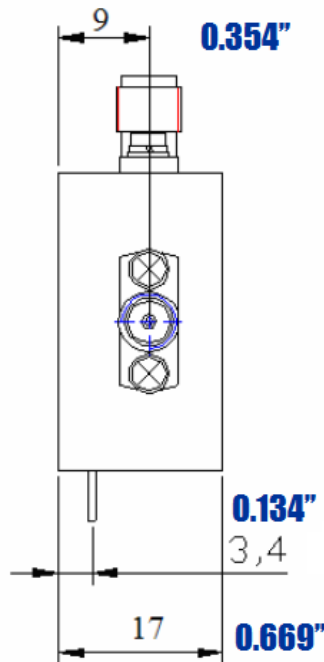
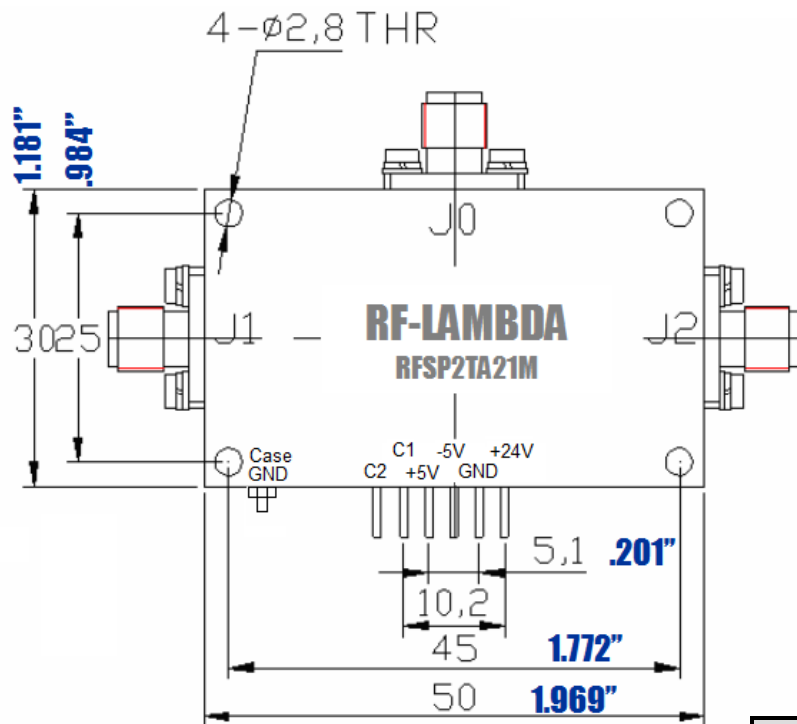


ABSORPTIVE PIN SPDT SWITCH


- RFSP2TA1535M



| 3.0 | | Electrical Specifications |
|-----|---------------------|--|
| 3.1 | Frequency Range | 15MHz -35MHz |
| 3.2 | Max. VSWR | 1.30:1 max. |
| 3.3 | IP3 | +54dBm |
| 3.4 | P1dB | +44dBm |
| 3.5 | Average power | 0.25W (operational power) 1W damage power no damage |
| 3.6 | Isolation | 80dB min |
| 3.7 | Out Band Rejection | (35MHz to 200MHz) >50dB |
| 3.8 | Insertion Loss | 0.3dB typ. 0.5dB max. |
| 3.9 | DC Power | +24V DC (10mA) / -5V DC (10mA) /+5V DC (10mA) / case GND isolated with Electrical GND |
| 3.A | Switching Speed | 5us typ. 8us. Max. |
| 3.B | Control Logical TTL | 0 1 "J0->J1" |
| | | 0 0 "OFF" |
| | | 1 0 "J0->J2" |

| 1.0 Mechanical Specifications | | |
|-------------------------------|----------------------|----------------|
| 1.1 | Basis-material | Brass |
| 1.2 | Coaxial Connector | SMA Female |
| 1.3 | External Body Finish | Nickel plating |

| 2.0 | | Environment specifications |
|-----|-----------------|-----------------------------------|
| 2.1 | Operation Temp. | -40°C~+85°C |
| 2.2 | Storage Temp. | -50°C~+125°C |
| 2.3 | Altitude | 45000 ft |
| 2.4 | Vibration | 10g rms (15 degree 2KHz) |
| 2.5 | Humidity | 100% RH at 35c, 95%RH at 40 deq c |
| 2.6 | Shock | 20G for 11msc |

| | | | |
|--|------|--------------------|---------------|
| PAGE 1 OF 1 | | DATE | APR 28TH 2007 |
| <small>PROPRIETARY INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF RF-LAMBDA EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITINGS BY RF-LAMBDA. THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN THE WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION OF ALL THIRD PARTIES AND SHALL USE SAME FOR OPERATING AND MAINTENANCE PURPOSES ONLY</small> | | DESIGN | RFAC |
| | | RF-LAMBDA | RFAC |
| | | CAD MODEL REVISION | 05 |
| | | ASSEMBLY REVISION | VS08 |
|  RFSP2TA1535M PIN DIODE SPDT SWITCH | | ASSEMBLY NAME | RFLVR6 |
| www.rflambda.com | | DRAWING NUMBER | D01-5 |
| RF-LAMBDA | SIZE | LT | SHEETS |
| | | | 1 OF 1 |