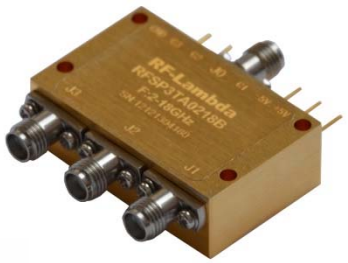
Reflective 0.02-18.0GHz Coaxial SP3T Switch



RoHS Compliant

Features

- Wide Band Operation 0.02-18.0GHz
- High Power Handle Capability up to 5W upon request.
- TTL compatible driver include
- Fast Switching Speed
- Low Insertion Loss and High Isolation
- Temperature Range -40°C~+85°C
- Customization available upon request

Specification	Reflective type		
	PN: RFSP3TR0018G		
	Low	Med	High
Frequency Range(GHz)	0.02	9.5	18
Insertion Loss(dB)	2.0dB typ.	2.9dB typ.	4dB typ.
VSWR	1.8	1.8	2.0
Isolation(dB)	80	80	80
Switching Speed(ns)	500	500	500
P1dB Power (dBm)		23	
Absolutely max Power (W)			5
Weight (g)	35		
IIP3 (Input IP3) dBm	40		
Impedance(Ohms)	50Ω		
Power Supply (V)	+/-5 V DC		
Current(mA)	100mA (+5V) 50mA (-5V)		
Input Connector	SMA-Female		
Output Connector	SMA-Female		
Finishing	Gold Plating		
Material	Brass		
Seal	Hermetically Sealed		
Control (TTL Driver Included)	TTL Control		
	C2	C1	Status
	0	0	J0-J1
	1	0	J0-J2
	0	1	J0-J3
	1	1	OFF

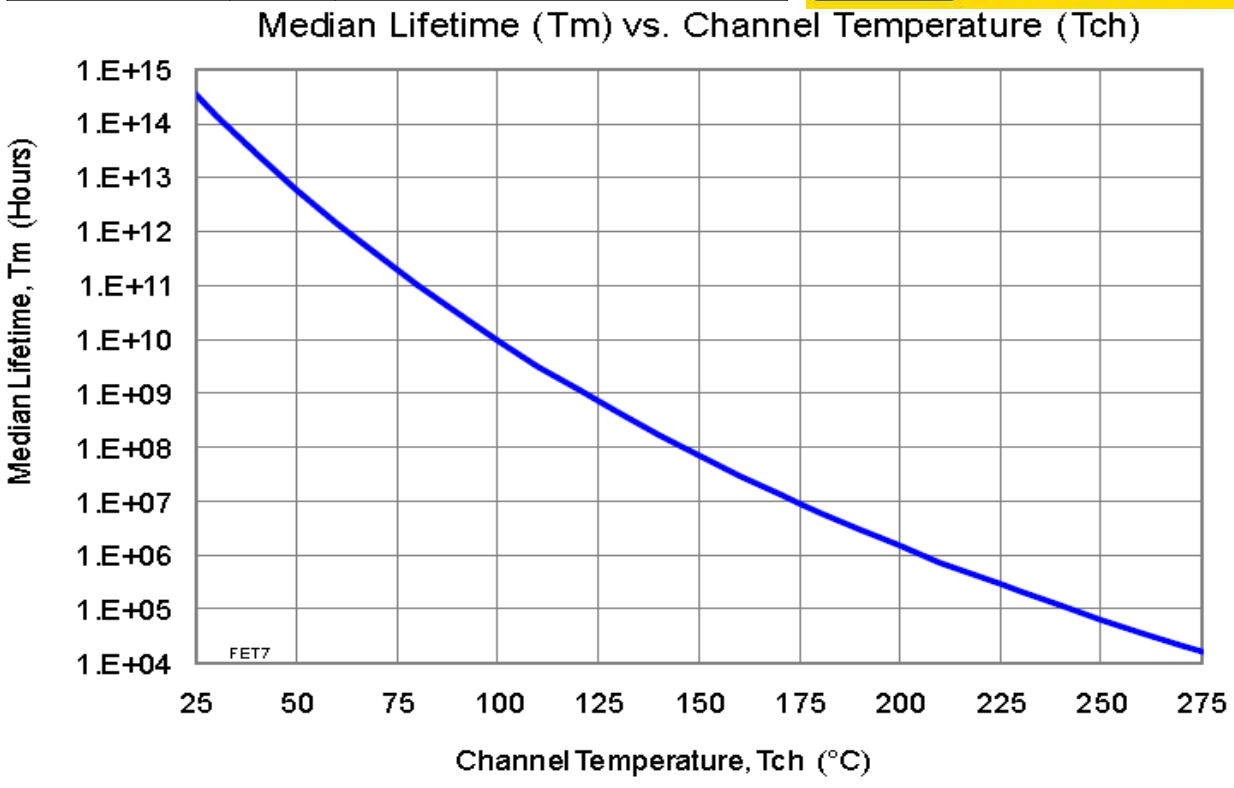
Reflective Coaxial Single Pole Three Throw Switch 0.02-18.0GHz

Absolute Maximum Ratings	
Biasing	+/-5 V
TTL Control Voltage	+5V/0V
Input RF power	30dBm CW
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

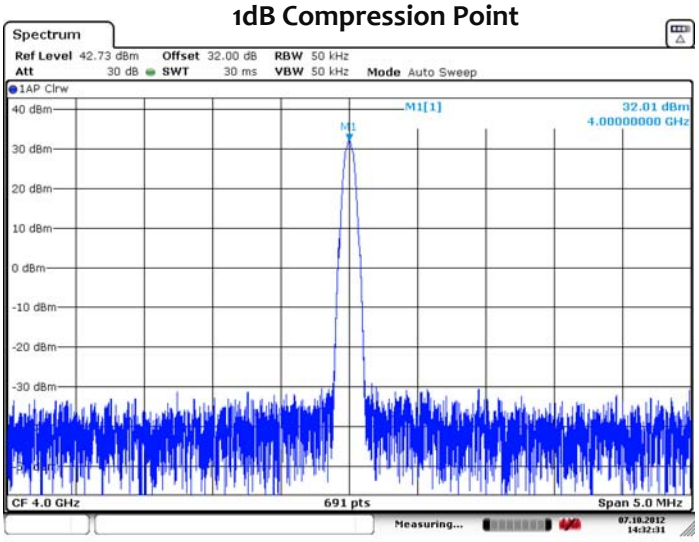
Environment specifications	
Operational Temperature (C°)	-45 ~ +85
Storage Temperature (C°)	-50 ~ +125
Altitude	30,000 ft (Controlled environment)
Vibration	35g rms (15 degree 2KHz)
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msc

Ordering Information		
Part No	ECCN	Description
RFSP3TR0018G	EAR99	SP3T 0.02-18.0GHz PIN Diode Switch

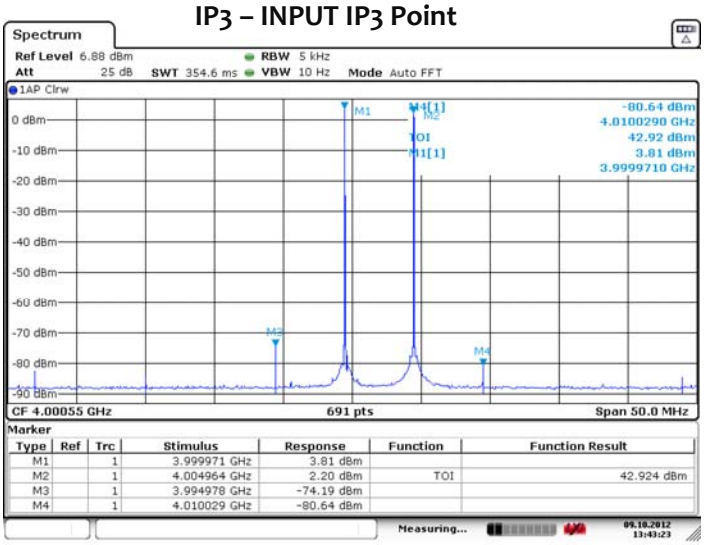


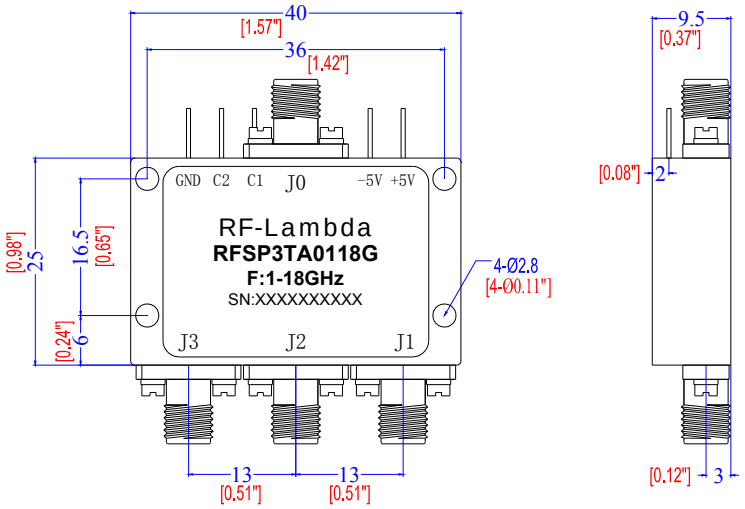
Reflective Coaxial Single Pole Three Throw Switch 0.02-18.0GHz

1dB Compression Point



IP3 – INPUT IP3 Point





[X301]

Important Notice

The information contained herein is believed to be reliable. RF-Lambda makes no warranties regarding the information contained herein. RF-Lambda assumes no responsibility or liability whatsoever for any of the information contained herein. RF-Lambda assumes no responsibility or liability whatsoever for the use of the information contained herein. The information contained herein is provided "AS IS, WHERE IS" and with all faults, and the entire risk associated with such information is entirely with the user. All information contained herein is subject to change without notice. Customers should obtain and verify the latest relevant information before placing orders for RF-Lambda products. The information contained herein or any use of such information does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other intellectual property rights, whether with regard to such information itself or anything described by such information.

RF-Lambda products are not warranted or authorized for use as critical components in medical, life-saving, or life sustaining applications, or other applications where a failure would reasonably be expected to cause severe personal injury or death.