



## Reflective 2-4.0GHz Coaxial SP4T Switch



### Features

- Wide Band Operation 2.0-4.0GHz
- High Power Handle Capability up to 100W 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: RFSP4TR0204G				
	Low	Med	High		
Frequency Range(GHz)	2	3	4		
Insertion Loss(dB)	1.2dB typ. @2GHz	1.4dB typ. @3GHz	1.8dB typ. @4GHz		
VSWR	1.4	1.4	1.6		
Isolation(dB)	85	85	80		
Switching Speed(ns)	50	100	150		
P1dB Power (dBm)		27			
Absolutely max. Power (W)			5-100W (upon request)		
Weight (g)	35				
IIP3 (Input IP3) dBm	42.92				
Impedance(Ohms)	50Ω				
Power Supply (V)	+/-5 V DC				
Current(mA)	120mA (+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				
	C4	C3	C2	C1	Status
	1	1	1	0	Jo-J1
	1	1	0	1	Jo-J2
	1	0	1	1	Jo-J3
0	1	1	1	Jo-J4	



# RF-LAMBDA

The power beyond expectations

RFSP4TR0204G

Reflective Coaxial Single Pole Four Throw Switch 2-4.0GHz

Absolute Maximum Ratings	
Biasing	+/-5 V
TTL Control Voltage	+5V/0V
Input RF power	20dBm
Storage Temperature (C°)	-50 ~ +125

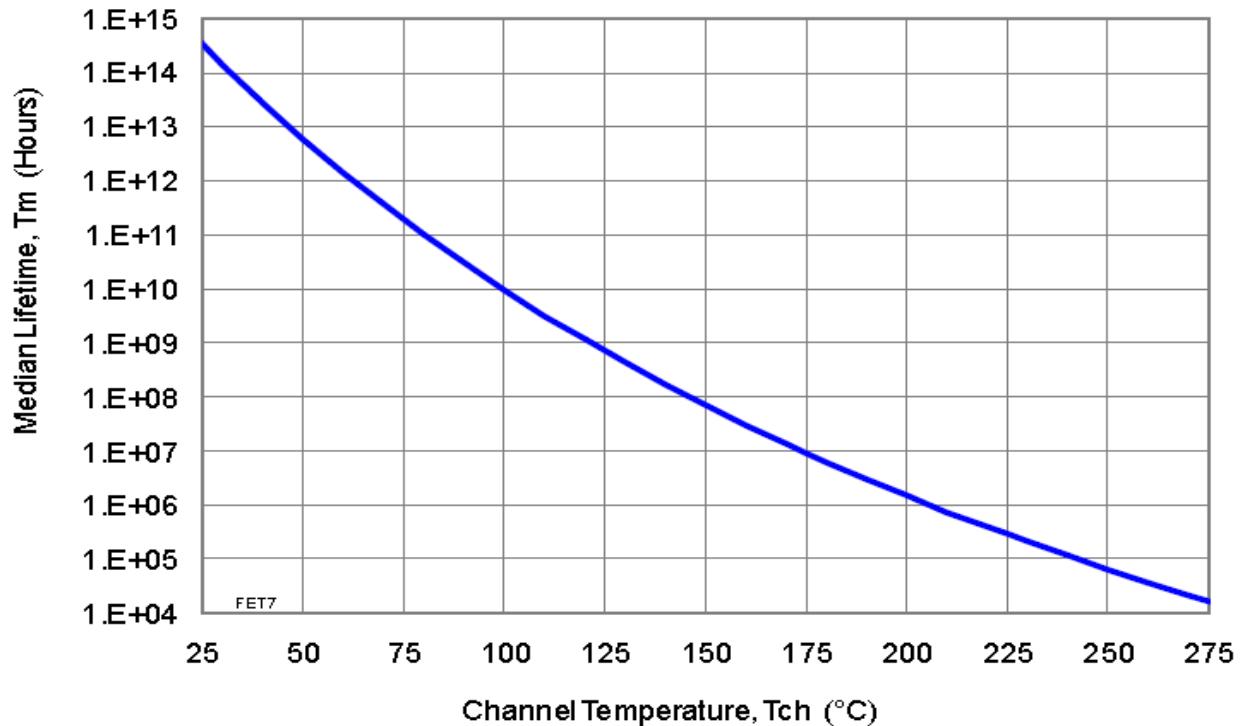
Biasing Up Procedure	
Step 1	-5V
Step 2	+5V
Step 3	TTL
Power OFF Procedure	
Step 1	+5V
Step 2	-5V
Step 3	TTL

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
RFSP4TR0204G	EAR99	SP4T 2-4GHz PIN Diode Switch



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



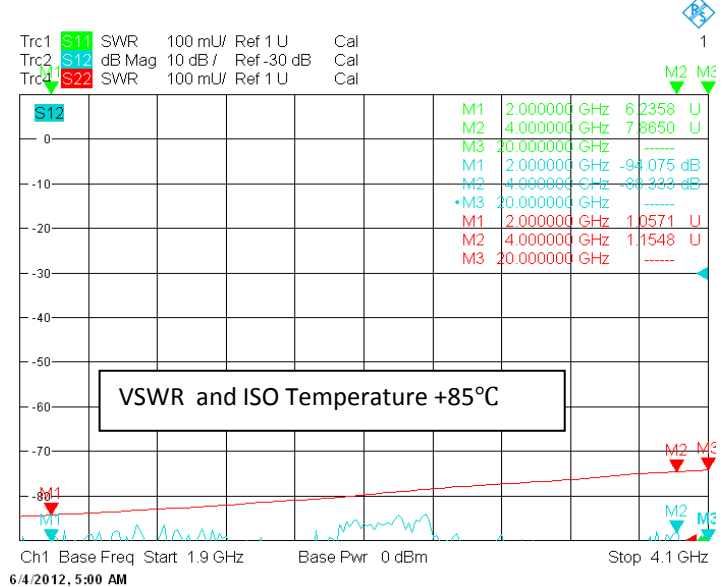
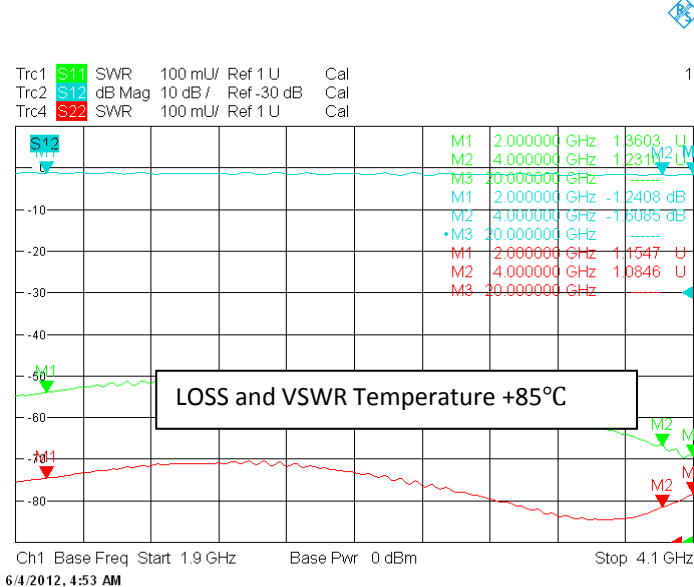
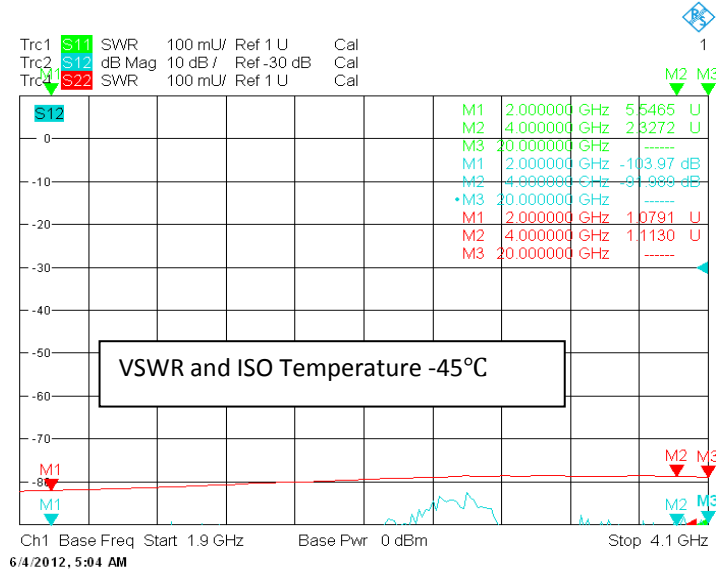
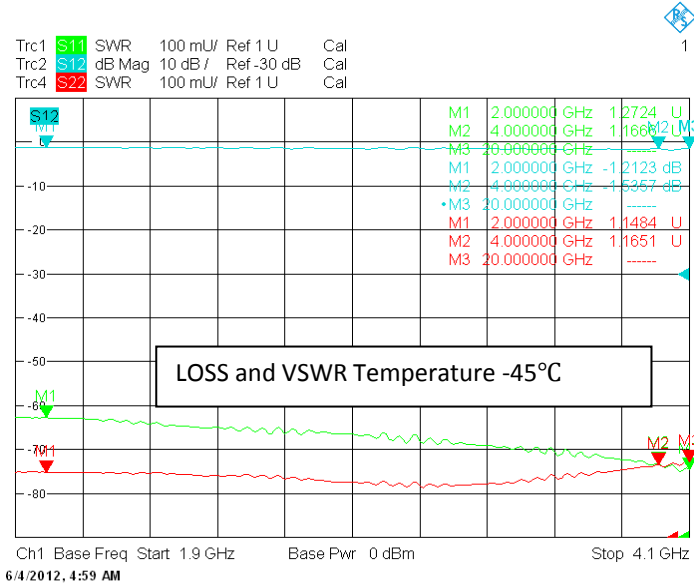
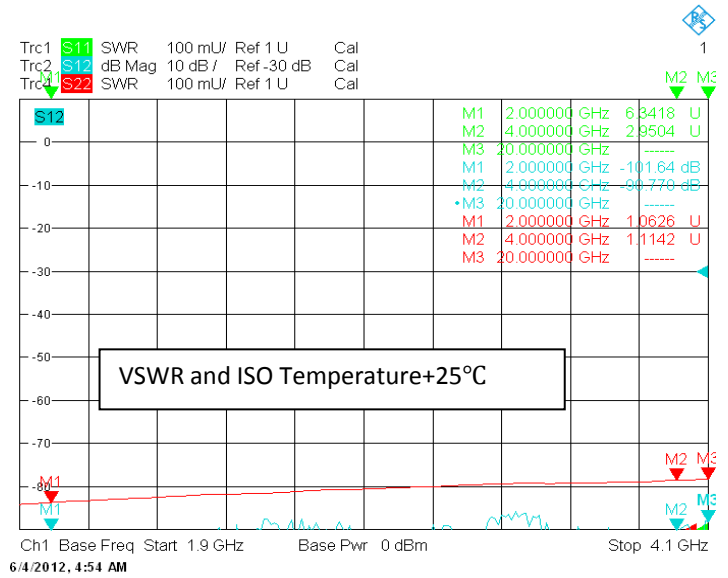
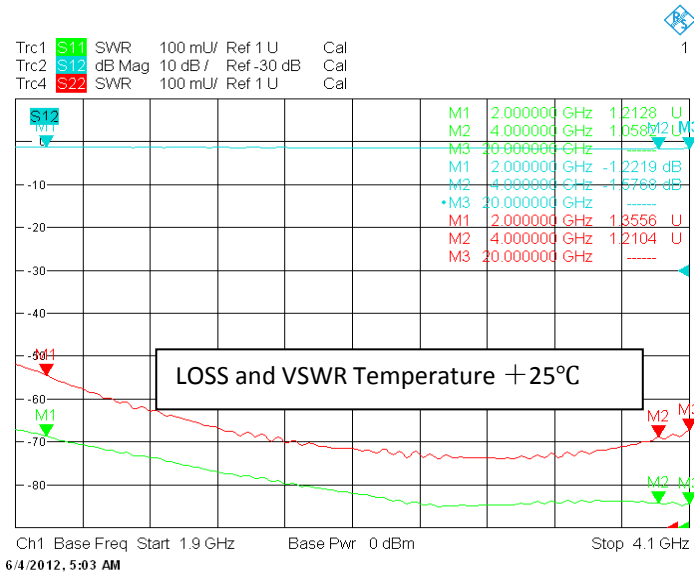


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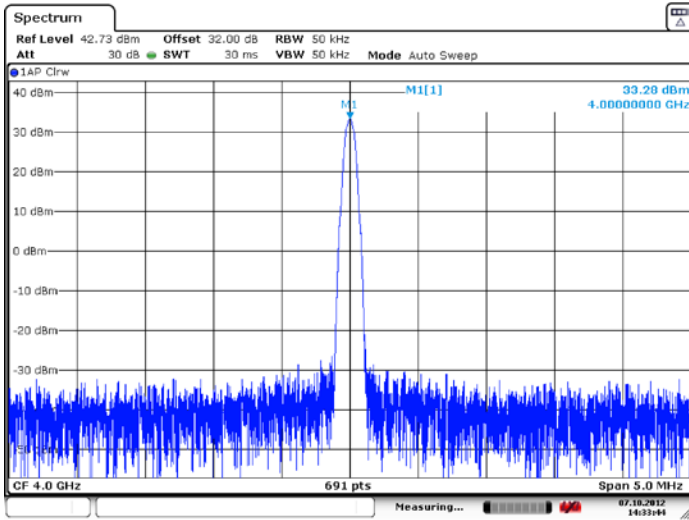


# RF-LAMBDA

The power beyond expectations

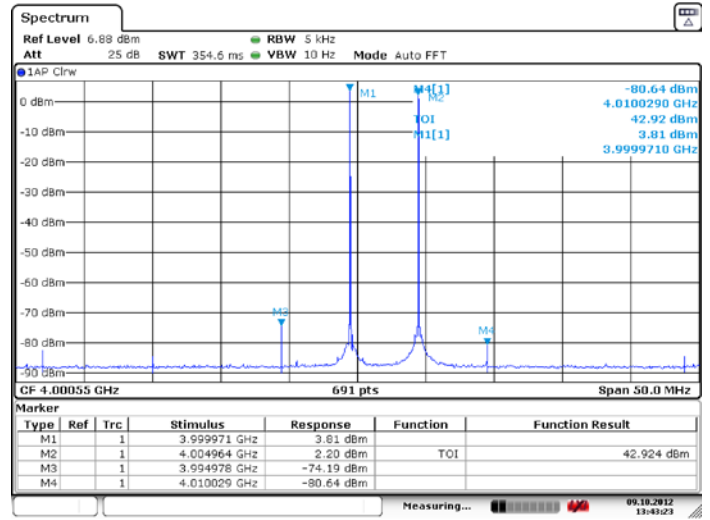
RFSP4TR0204G

## 1dB Compression Point

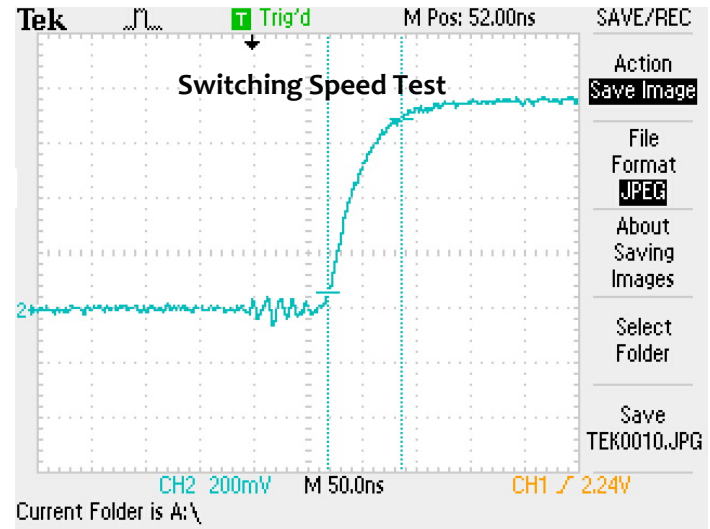
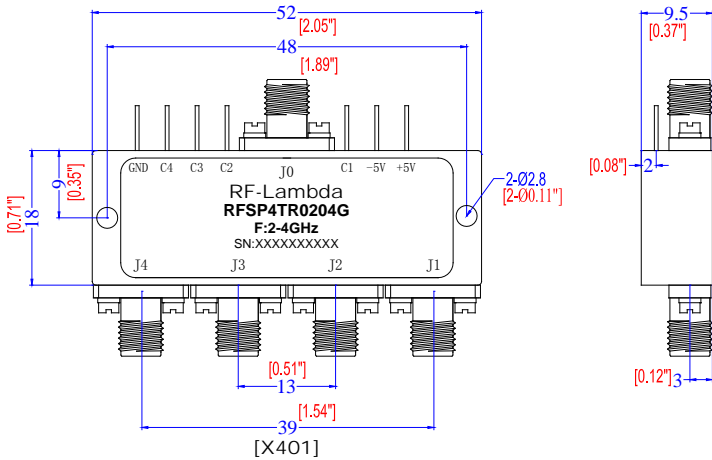


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## IP3 – INPUT IP3 Point



Date: 9.OCT.2012 13:43:23



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Reflective Coaxial Single Pole Four Throw Switch 2-4.0GHz