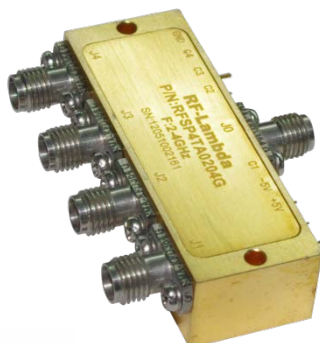




Absorptive 1-2GHz Coaxial SP4T Switch



Features

- Wide Band Operation 1-2GHz
- 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	Absorptive type		
	PN: RFSP4TA0102G		
	Low	Med	High
Frequency Range(GHz)	1	1.5	2
Insertion Loss(dB)	1.2dB typ. @1GHz	1.2dB typ. @1.5GHz	1.5dB typ. @2GHz
VSWR	1.4	1.4	1.5
Isolation(dB)	85	85	80
Switching Speed(ns)	50	100	150
P1dB Power (dBm)		24	
Absolutely max. Power (W)			1
Weight (g)	35		
IIP3 (Input IP3) dBm	40		
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		
	C2	C1	Status
	0	0	Jo-J1
	1	0	Jo-J2
	0	1	Jo-J3
	1	1	Jo-J4



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

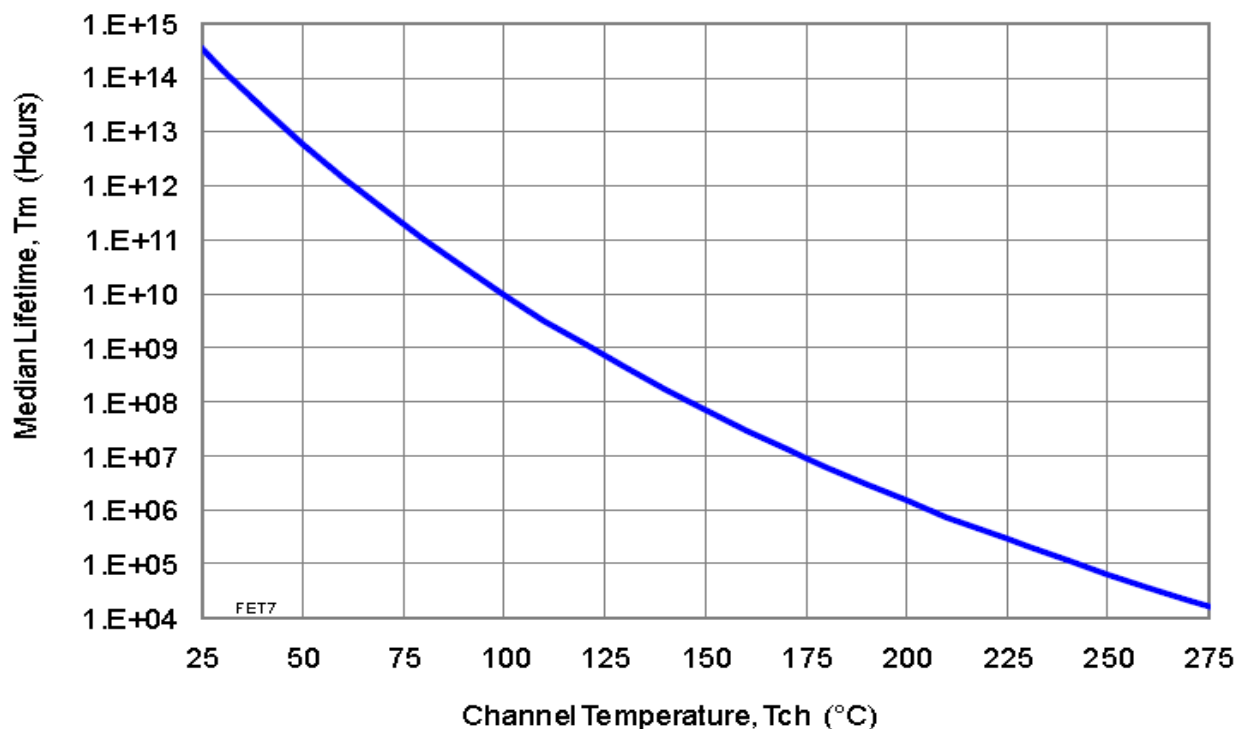
Biasing Up Procedure	
Step 1	-5V
Step 2	+5V
Step 3	TTL
Power OFF Procedure	
Step 1	+5V
Step 2	-5V
Step 3	TTL

Environment specifications	
Operational Temperature (C°)	-45 ~ +85
Storage Temperature (C°)	-50 ~ +125
Altitude	30,000 ft (Controlled environment)
Vibration	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
RFSP4TA0102G	EAR99	SP4T 1-2GHz PIN Diode Switch



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



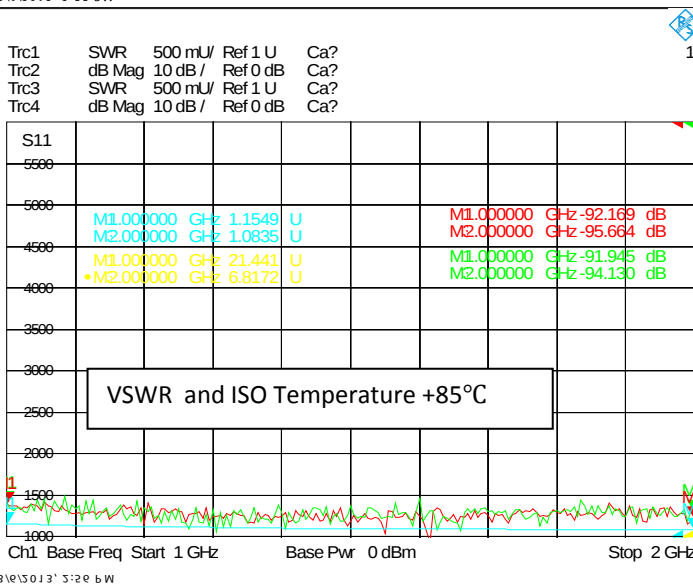
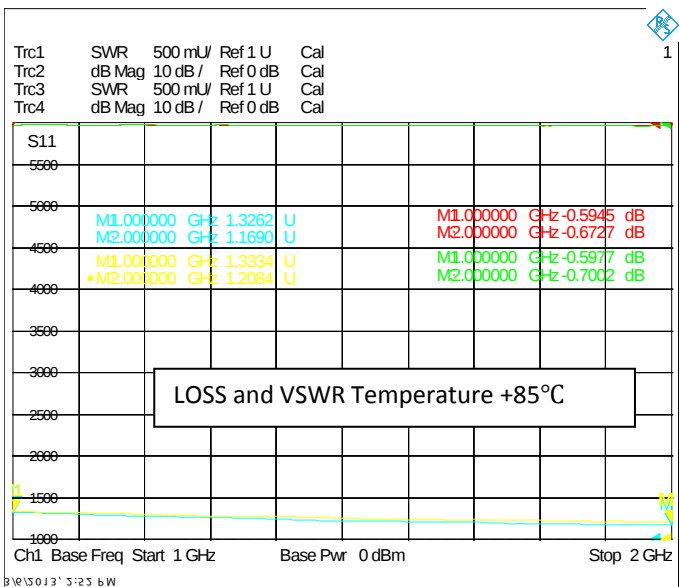
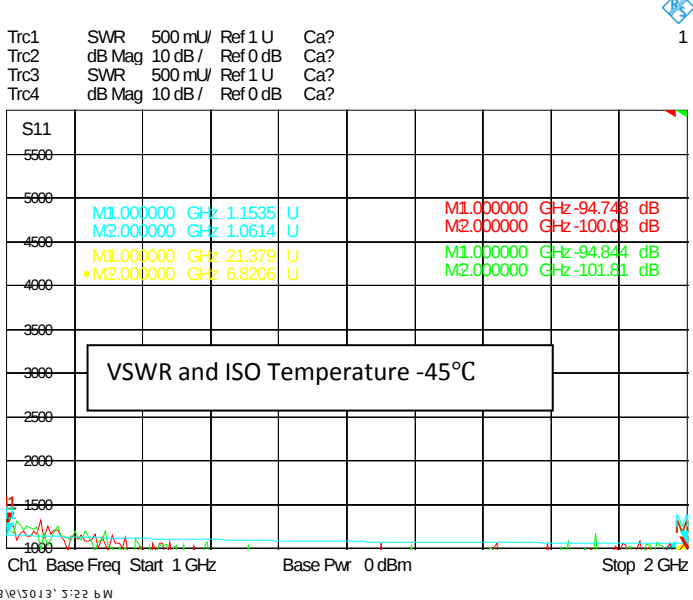
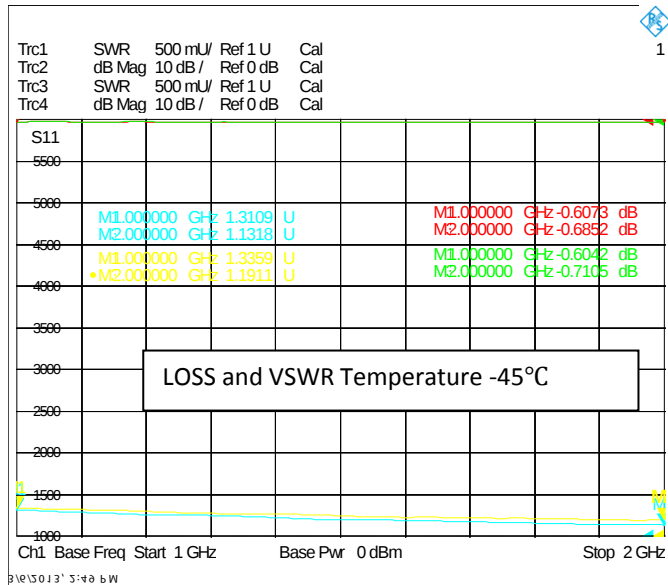
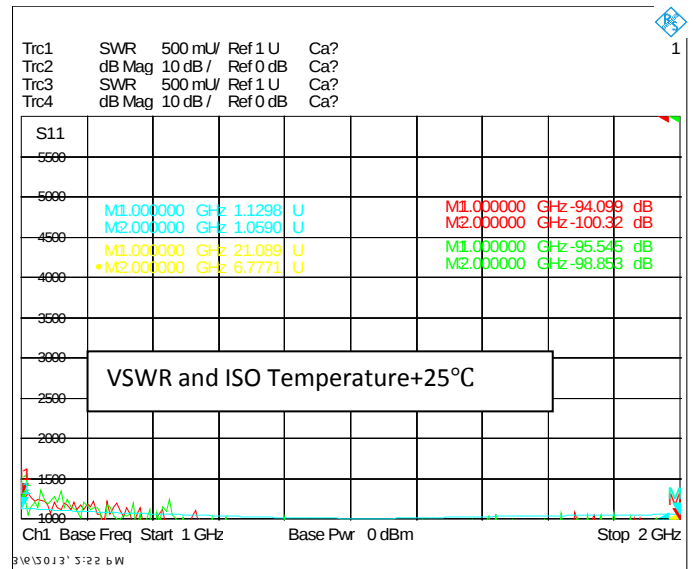
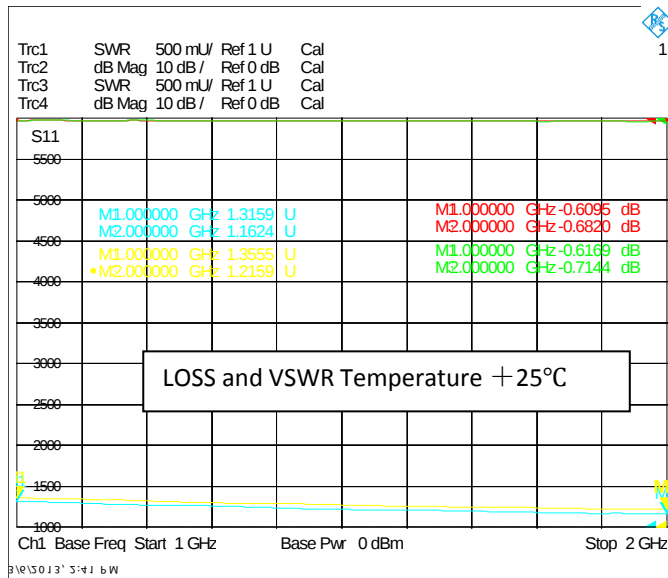


RF-LAMBDA

The power beyond expectations

RFSP4TA0102G

Absorptive Coaxial Single Pole Four Throw Switch 1-2GHz



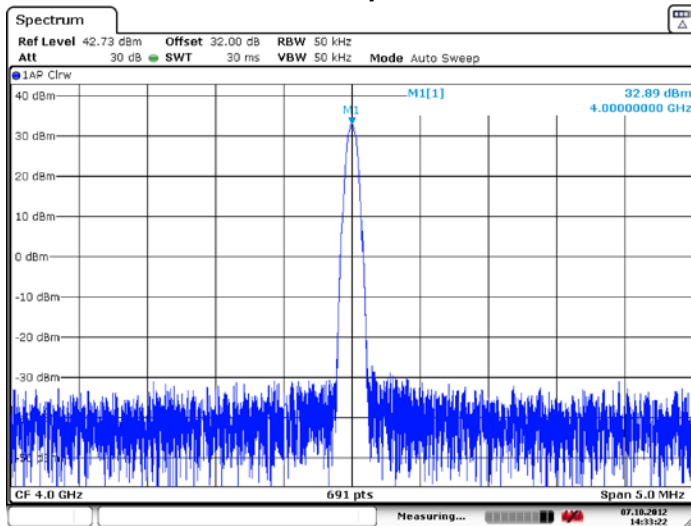


RF-LAMBDA

The power beyond expectations

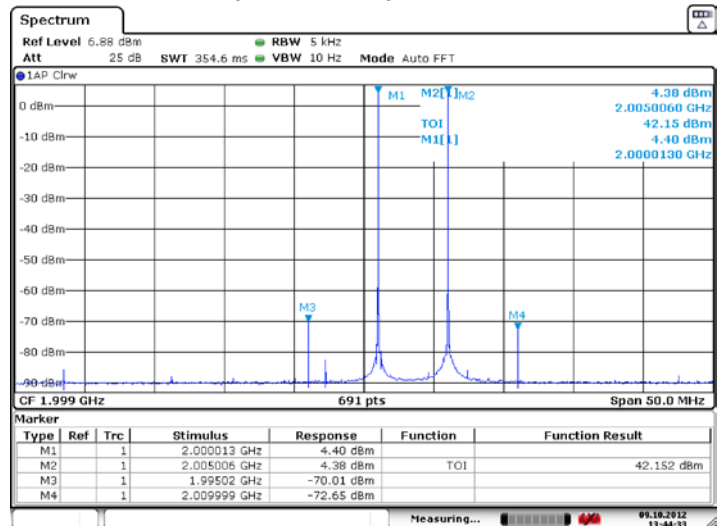
RFSP4TA0102G

1dB Compression Point

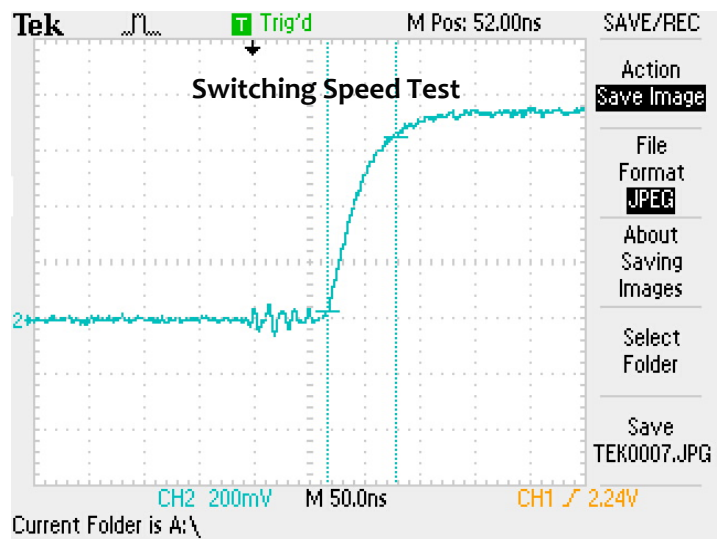
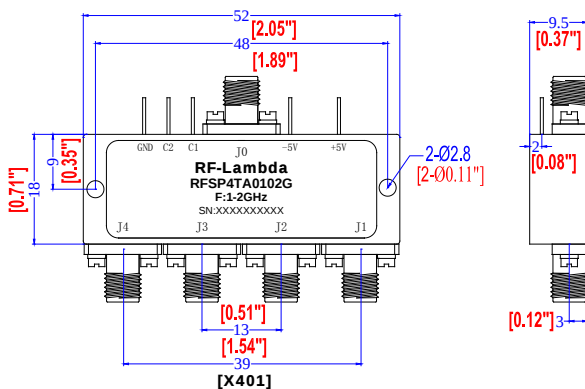


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IP3 – INPUT IP3 Point



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



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Absorptive Coaxial Single Pole Four Throw Switch 1-2GHz