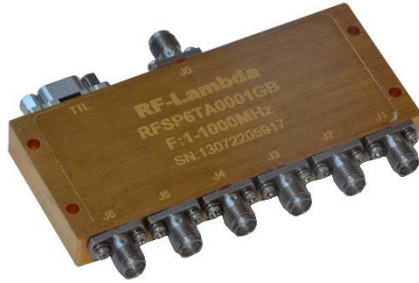




Absorptive 0.5-4GHz Coaxial SP6T Switch



Features

- Wide Band Operation 0.5-4GHz
- 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: RFSP6TA5M04G						
	Low	Med	High				
Frequency Range(GHz)	0.5	2.25	4				
1.5	2dB typ.	1.8dB typ.	2.5dB typ.				
VSWR	1.5	1.5	1.5				
Isolation(dB)	90	90	90				
Switching Speed(ns)	100	100	100				
P1dB Power (dBm)		24					
Absolutely max. Power (W)			1				
Weight (g)	300						
IIP3 (Input IP3) dBm	40						
Impedance(Ohms)	50Ω						
Power Supply (V)	+/-5 V DC						
Current(mA)	240mA (+5V) 80mA (-5V)						
Input Connector	SMA-Female						
Output Connector	SMA-Female						
Finishing	Gold Plating						
Material	Brass						
Seal	Hermetically Sealed						
Control (TTL Driver Included)	TTL Control						
	C6	C5	C4	C3	C2	C1	Status
	1	1	1	1	1	0	Jo-J1
	1	1	1	1	0	1	Jo-J2
	1	1	1	0	1	1	Jo-J3
	1	1	0	1	1	1	Jo-J4
	1	0	1	1	1	1	Jo-J5
0	1	1	1	1	1	Jo-J6	

Absorptive Coaxial Single Pole Six Throw Switch 0.5-4GHz



RF-LAMBDA

The power beyond expectations

RFSP6TA5M04G

Absolute Maximum Ratings	
Biassing	+/-5 V
TTL Control Voltage	+5V/0V
Input RF power	+23dBm
Storage Temperature (C°)	-50 ~ +125

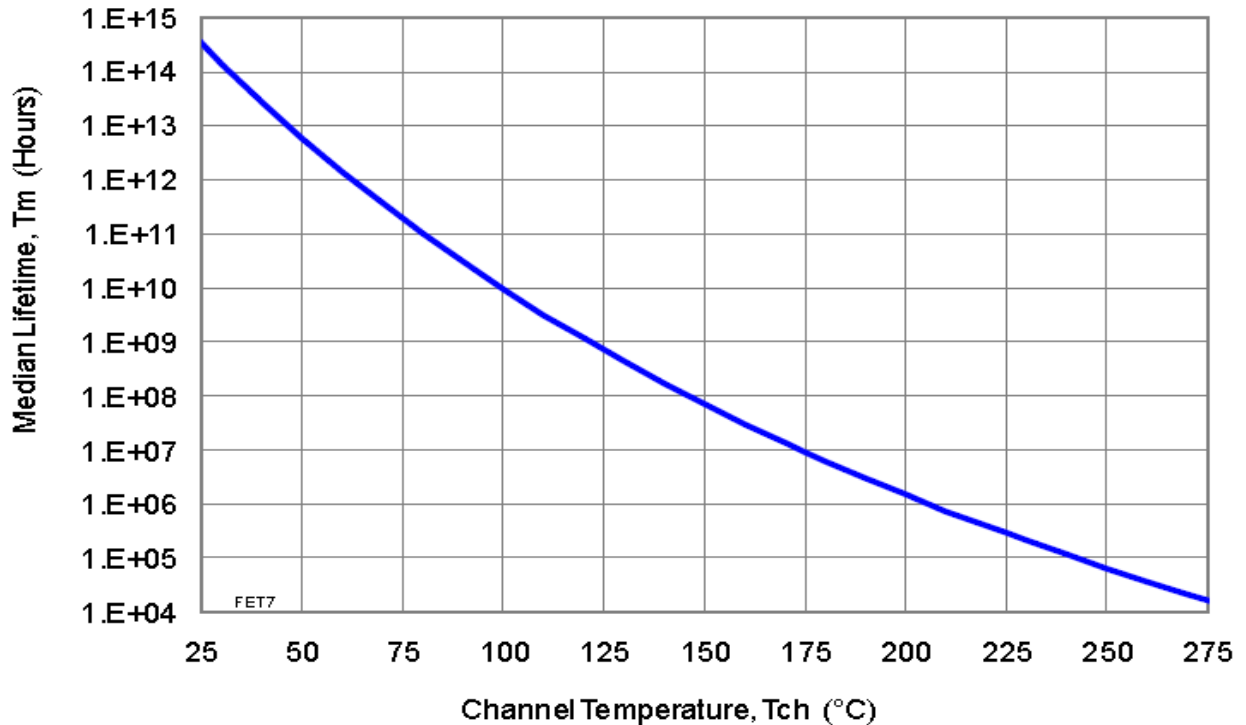
Biassing Up Procedure	
Step 1	-5V
Step 2	+5V
Step 3	TTL
Power OFF Procedure	
Step 1	+5V
Step 2	-5V
Step 3	TTL

Environment specifications	
Operational Temperature (C°)	-45 ~ +85
Storage Temperature (C°)	-50 ~ +125
Altitude	30,000 ft (Controlled environment)
Vibration	55g 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
RFSP6TA5M04G	EAR99	SP6T 0.5-4GHz PIN Diode Switch



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



Absorptive Coaxial Single Pole Six Throw Switch 0.5-4GHz

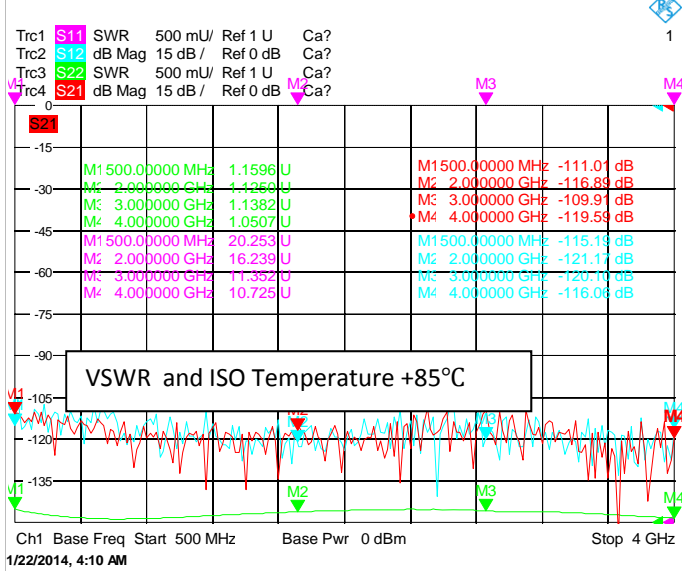
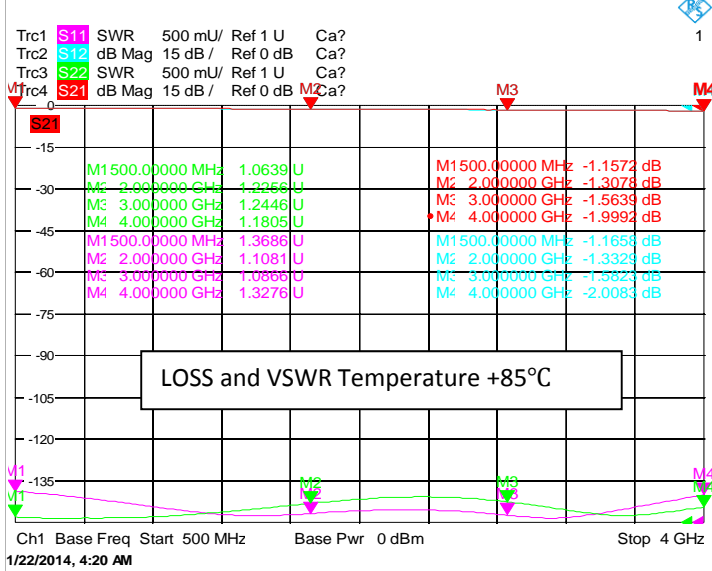
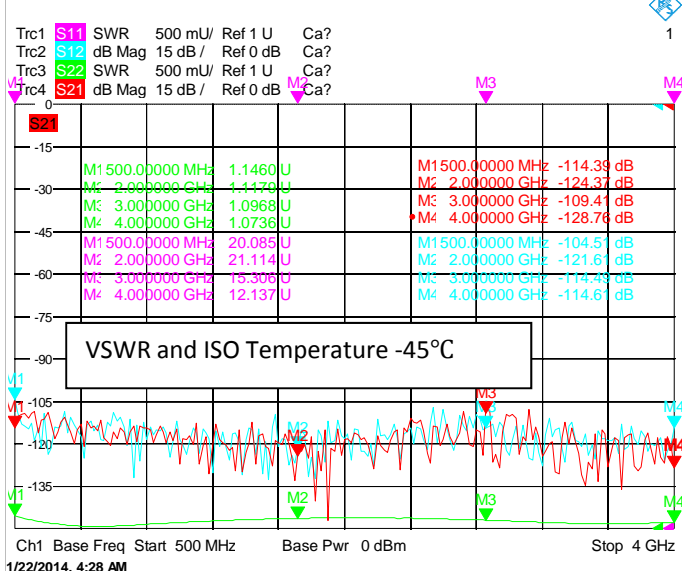
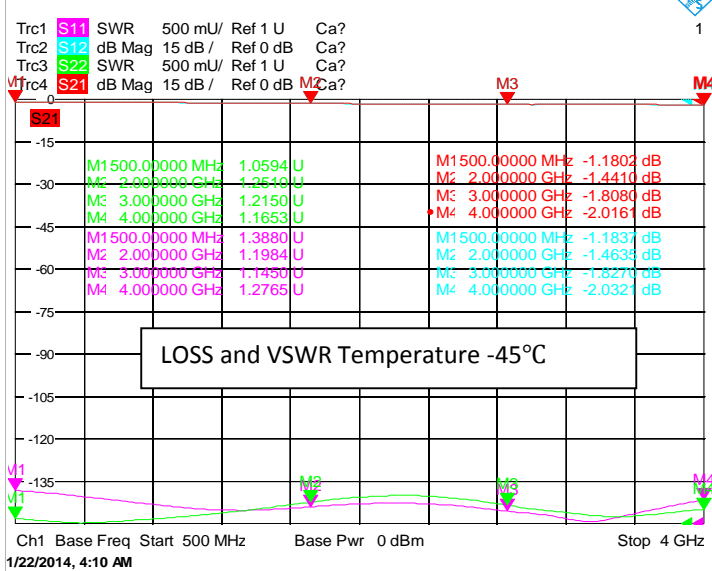
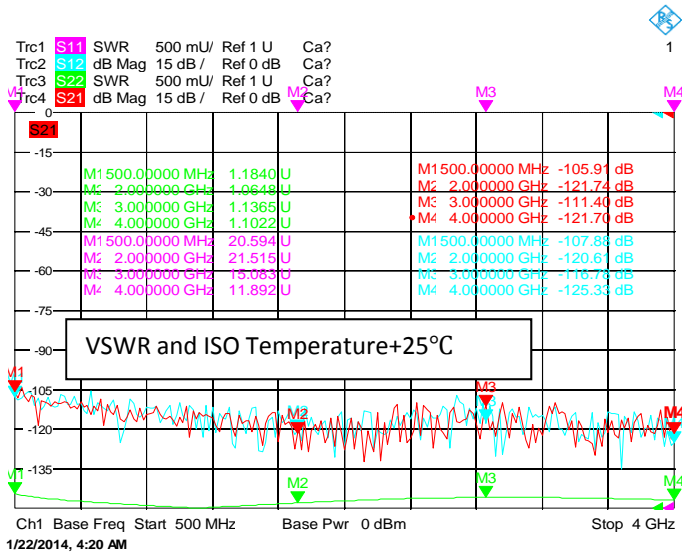
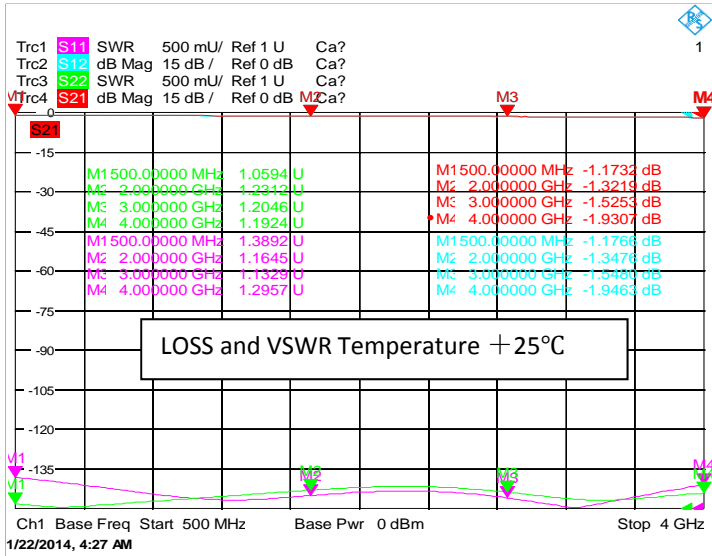


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The power beyond expectations

RFSP6TA5M04G

Absorptive Coaxial Single Pole Six Throw Switch 0.5-4GHz



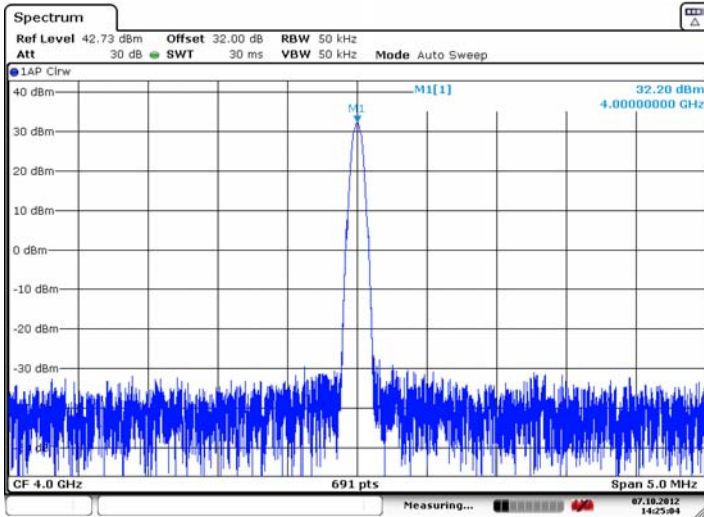


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The power beyond expectations

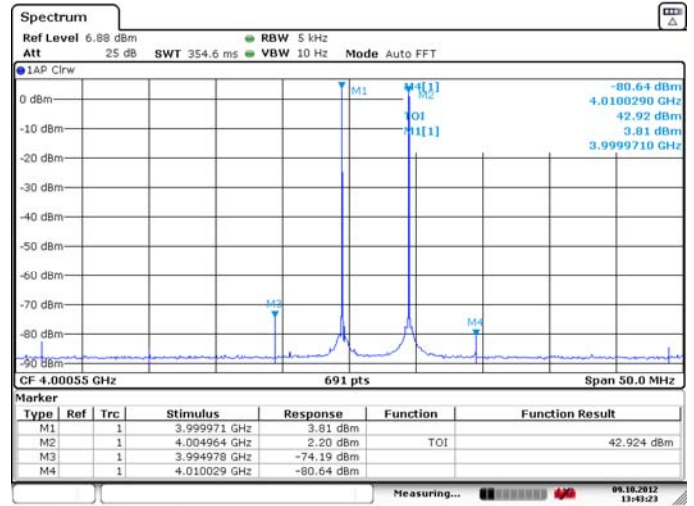
RFSP6TA5M04G

1dB Compression Point

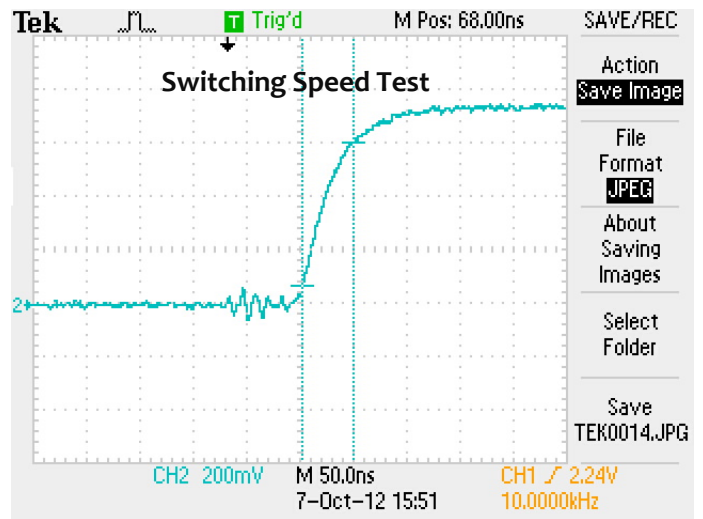
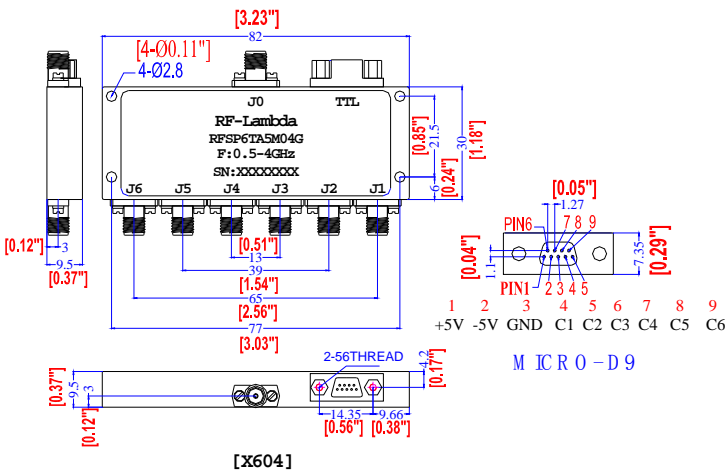


Date: 7.OCT.2012 14:25:04

IP3 – INPUT IP3 Point



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



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Absorptive Coaxial Single Pole Six Throw Switch 0.5-4GHz