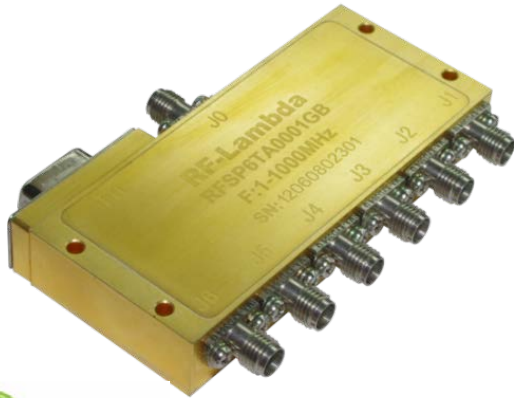




## Reflective 1-1000MHz Coaxial SP6T Switch



### Features

- Wide Band Operation 1.0-1000MHz
- 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: RFSP6TR0001G			
	Low	Med	High	
Frequency Range(GHz)	0.001	0.5	1	
Insertion Loss(dB)	1.8dB typ. @0.001GHz	1.4dB typ. @0.5GHz	1.8dB typ. @1GHz	
VSWR	1.5	1.3	1.5	
Isolation(dB)	75	80	70	
Switching Speed(ns)	50	100	150	
P1dB Power (dBm)		32.2		
Absolutely max. Power (W)			5	
Weight (g)		55		
IIP3 (Input IP3) dBm		40		
Impedance(Ohms)		50Ω		
Power Supply (V)		+/-5 V DC		
Current(mA)		180mA (+5V) 100mA (-5V)		
Input Connector		SMA-Female		
Output Connector		SMA-Female		
Finishing		Gold Plating		
Material		Brass		
Seal		Hermetically Sealed		
Control (TTL Driver Included)	TTL Control			
	C3	C2	C1	Status
	0	0	0	Jo-J1
	0	0	1	Jo-J2
	0	1	0	Jo-J3
	0	1	1	Jo-J4
	1	0	0	Jo-J5
	1	0	1	Jo-J6



# RF-LAMBDA

The power beyond expectations

RFSP6TR0001G

Reflective Coaxial Single Pole Six Throw Switch 1-1000MHZ

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

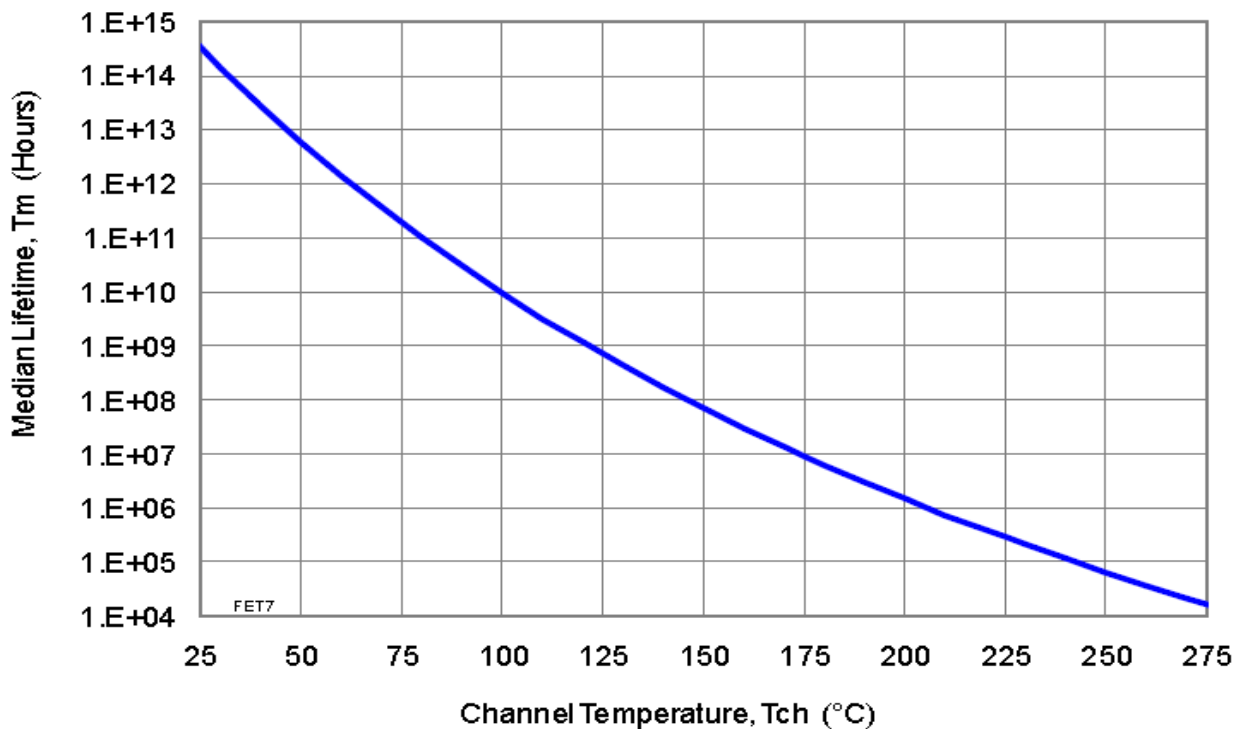
Biassing Up Procedure	
Step 1	-5V
Step 2	+5V
Step 3	TTL
Power OFF Procedure	
Step 1	+5V
Step 2	-5V
Step 3	TTL

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
RFSP6TR0001GB	EAR99	SP6T 0.001-1GHz PIN Diode Switch



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



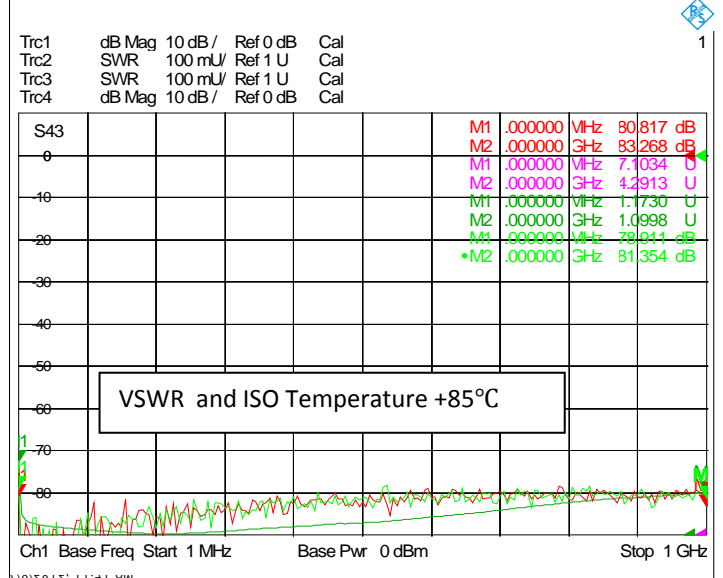
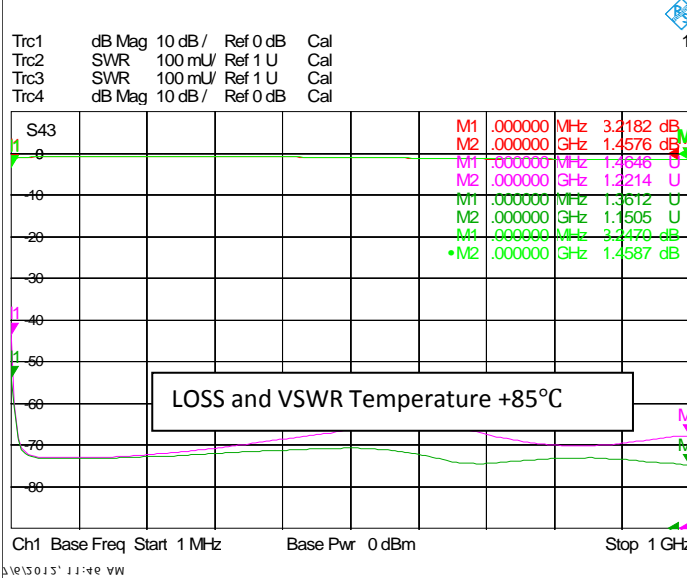
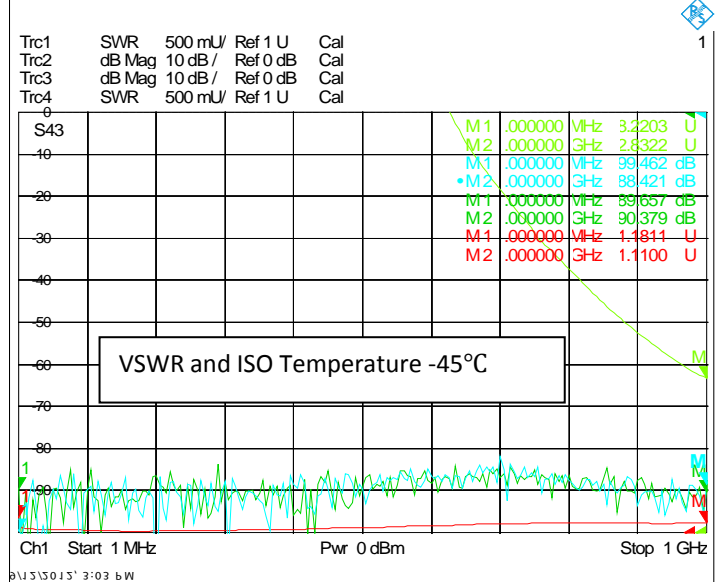
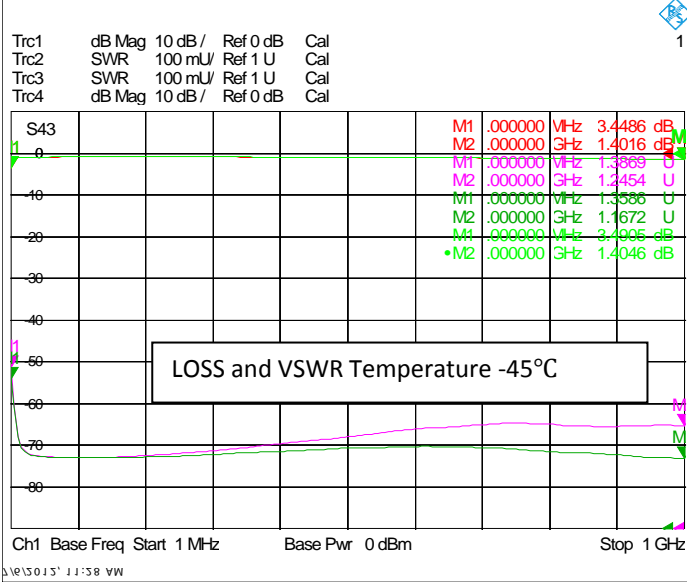
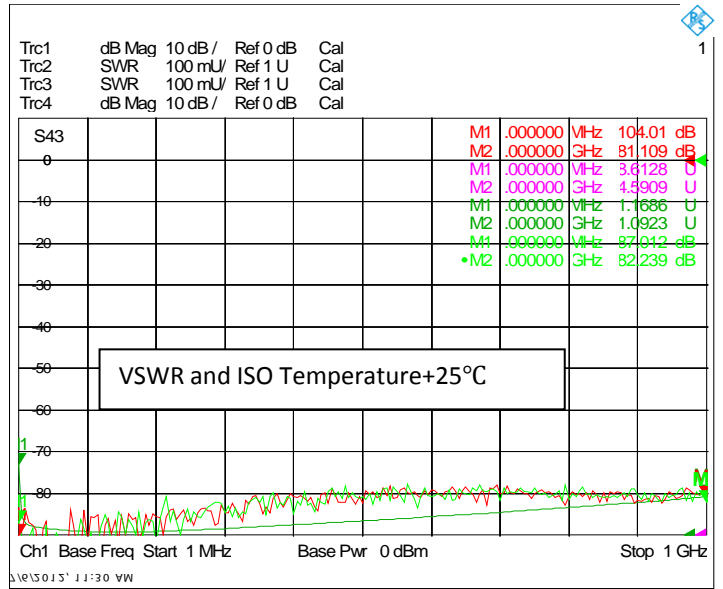
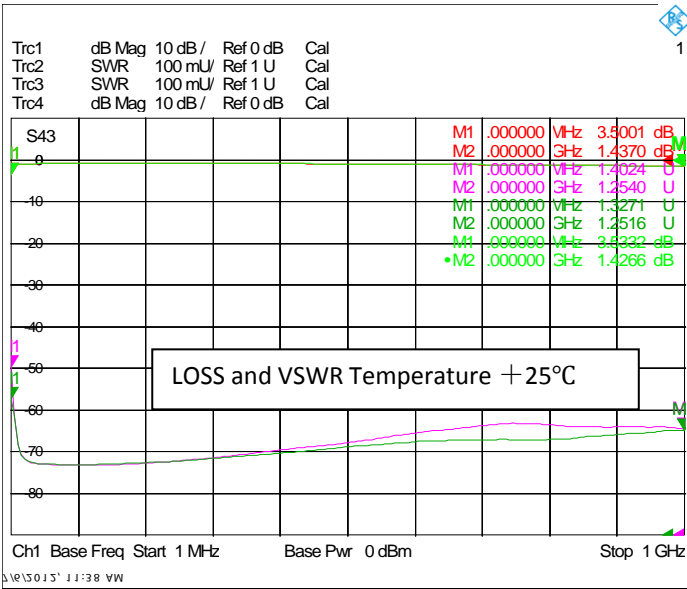


# RF-LAMBDA

The power beyond expectations

RFSP6TR0001G

Reflective Coaxial Single Pole Six Throw Switch 1-1000MHz



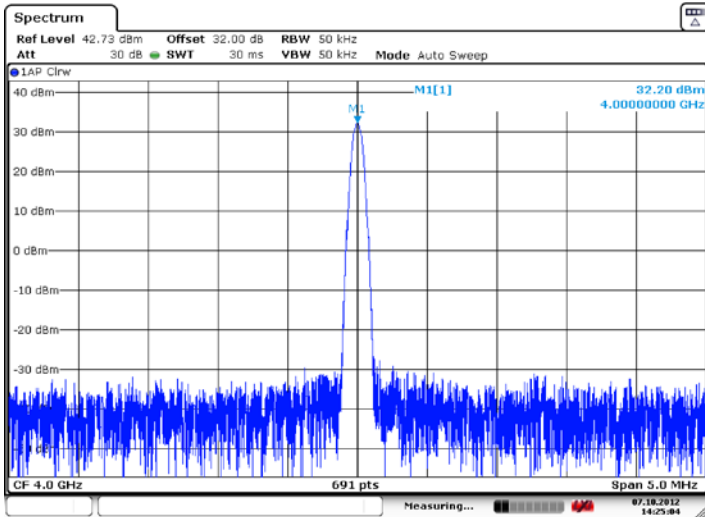


# RF-LAMBDA

The power beyond expectations

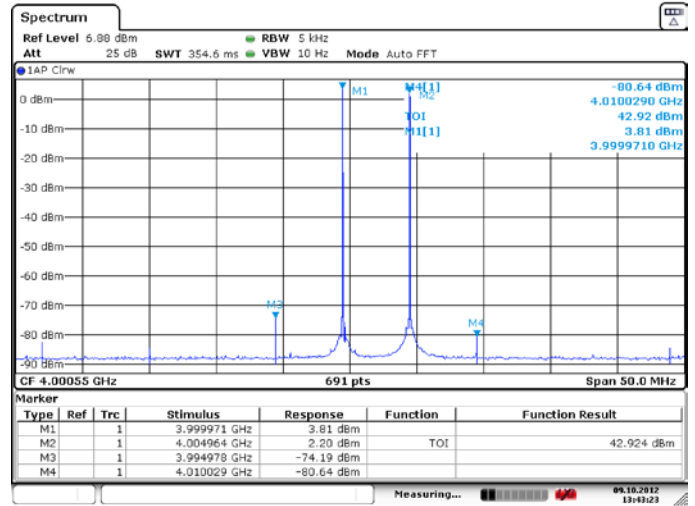
RFSP6TR0001G

## 1dB Compression Point

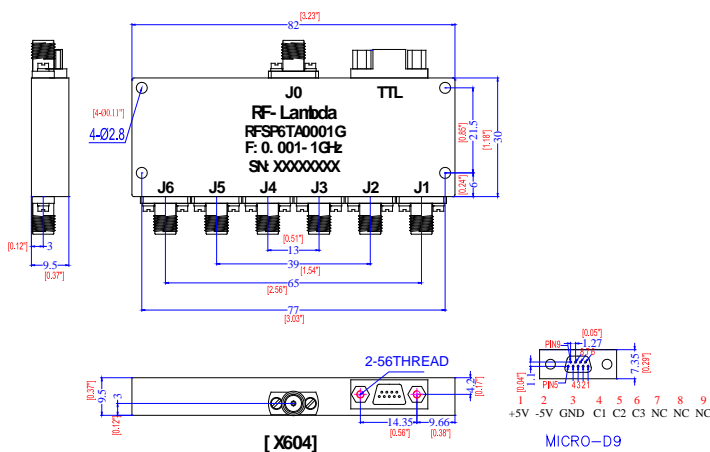
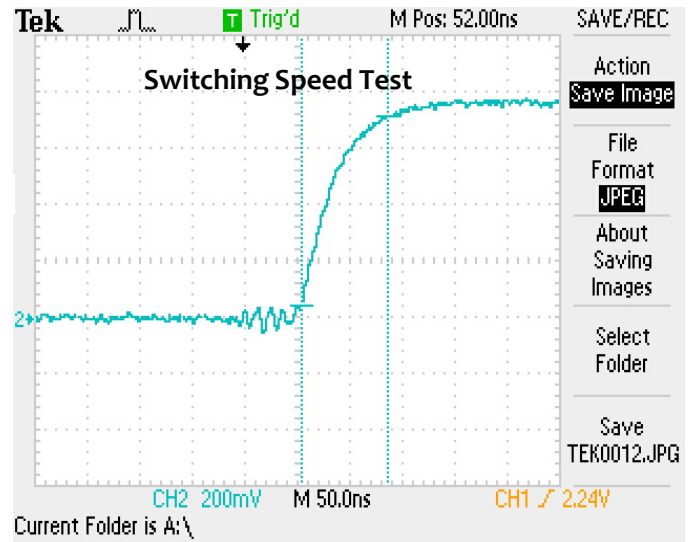
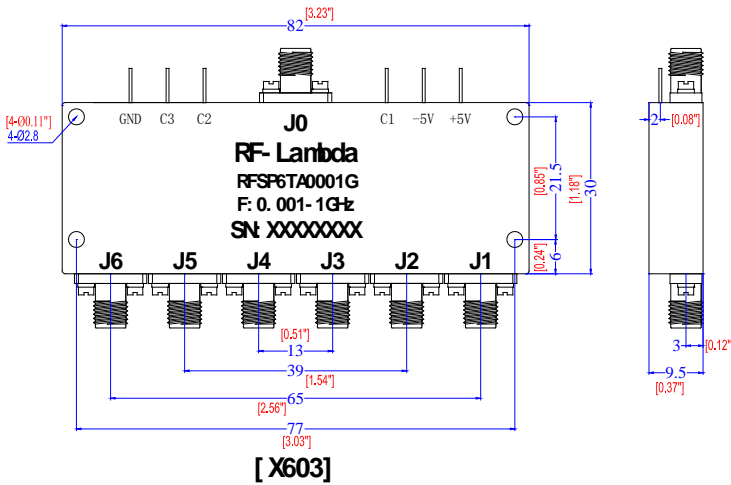


Date: 7.OCT.2012 14:25:04

## IP3 – INPUT IP3 Point



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



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Reflective Coaxial Single Pole Six Throw Switch 1-1000MHz