

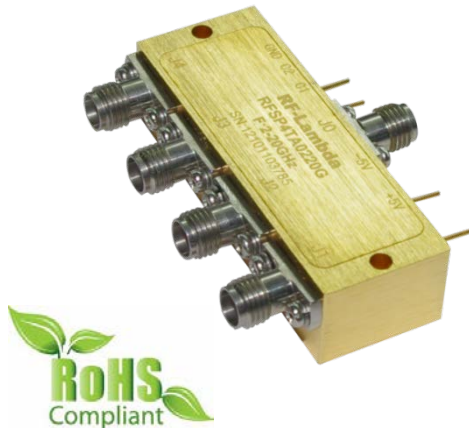


RF-LAMBDA

The power beyond expectations

RFSP4TA0208G

Absorptive 2-8.0GHz Coaxial SP4T Switch



Features

- Wide Band Operation 2.0-8.0GHz
- 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	Absorptive type				
	PN: RFSP4TA0208G				
	Low		Med	High	
Frequency Range(GHz)	2		5	8	
Insertion Loss(dB)	1.7dB typ. @2GHz		1.7dB typ. @5GHz	2.2dB typ. @8GHz	
VSWR	1.5		1.4	1.5	
Isolation(dB)	80		80	70	
Switching Speed(ns)	50		50	100	
P1dB Power (dBm)			27		
Absolutely max. Power (W)				5	
Weight (g)	35				
IIP3 (Input IP3) dBm	42.92				
Impedance(Ohms)	50Ω				
Power Supply (V)	+/-5 V DC				
Current(mA)	30mA (+5V) 30mA (-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

Absorptive Coaxial Single Pole Four Throw Switch 2-8.0GHz



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

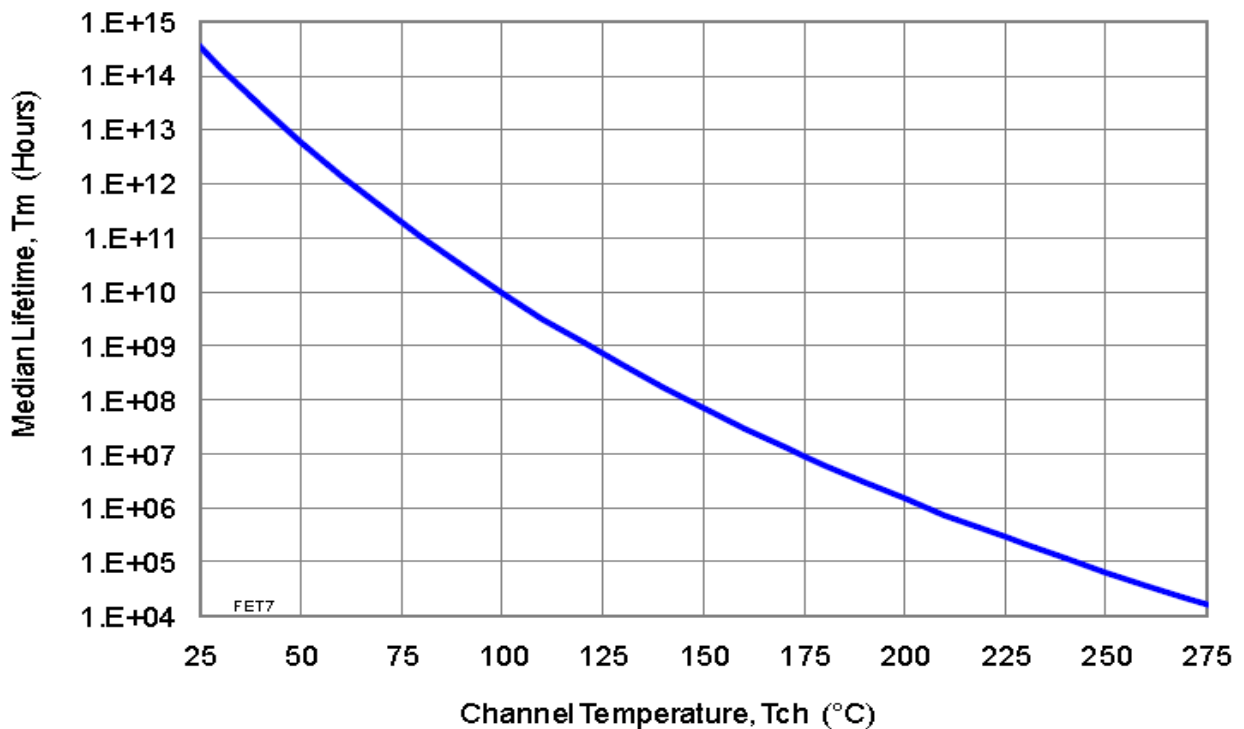
Biasing Up Procedure	
Step 1	-5V
Step 2	+5V
Step 3	TTL
Power OFF Procedure	
Step 1	+5V
Step 2	-5V
Step 3	TTL

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
RFSP4TA0208G	EAR99	SP4T 2-8GHz PIN Diode Switch



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



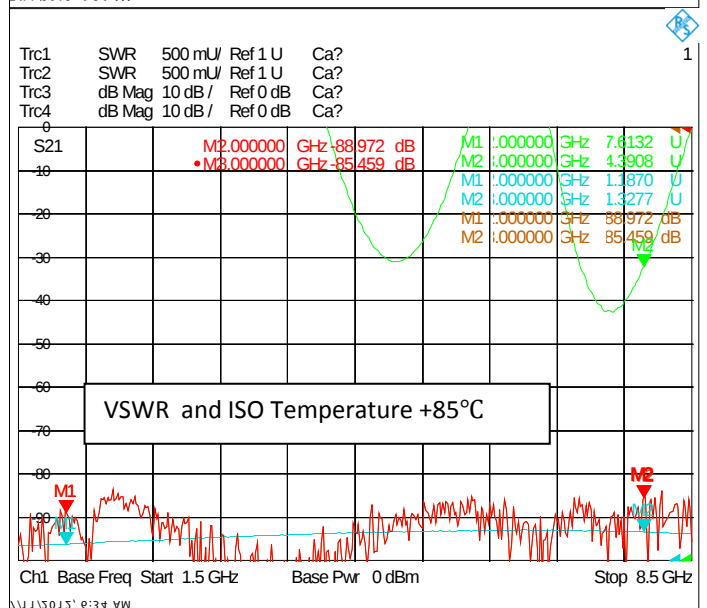
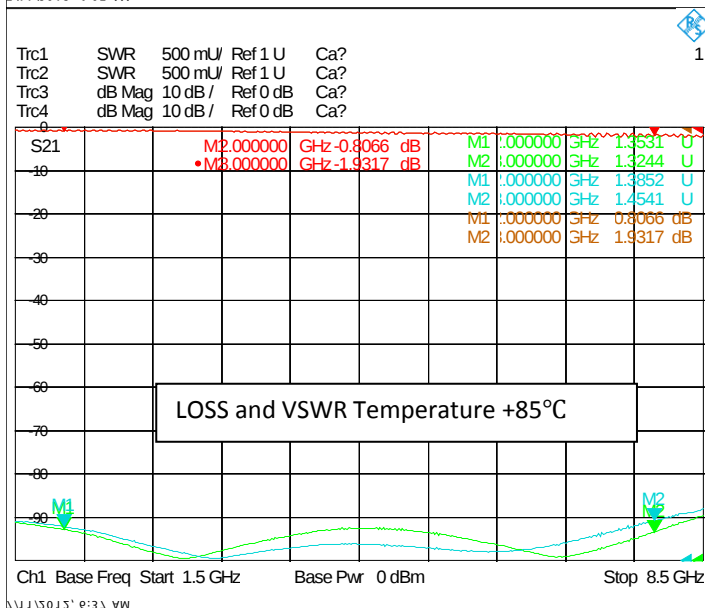
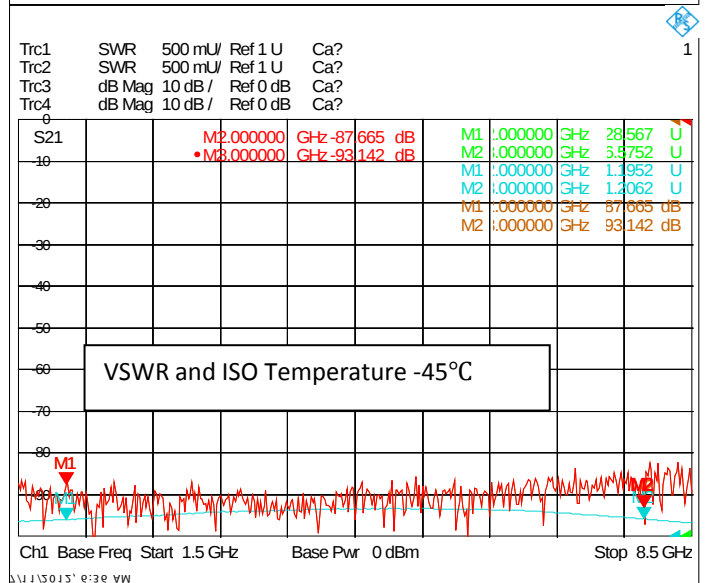
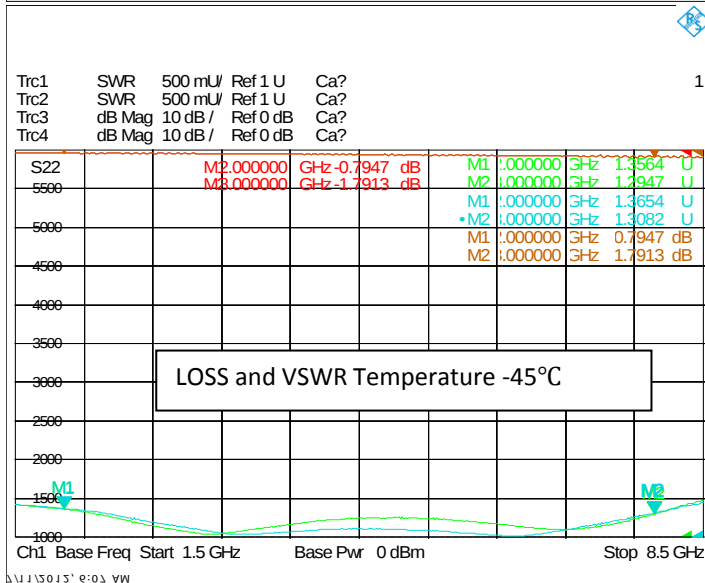
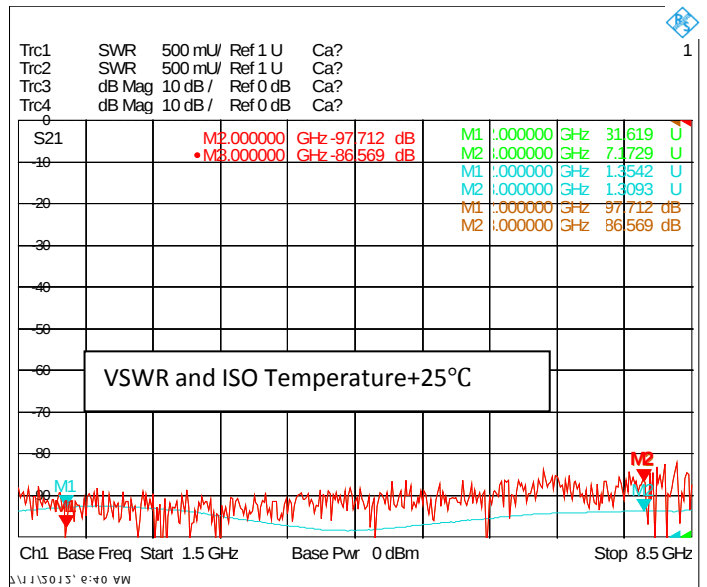
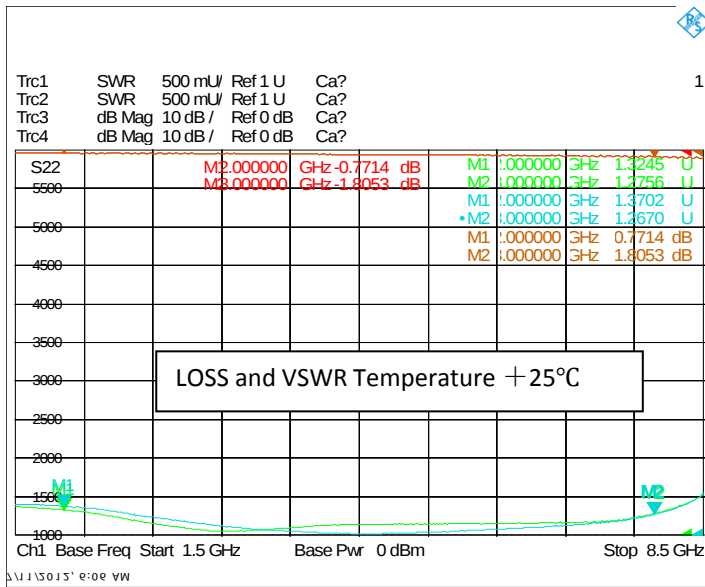


RF-LAMBDA

The power beyond expectations

RFSP4TA0208G

Absorptive Coaxial Single Pole Four Throw Switch 2-8.0GHz



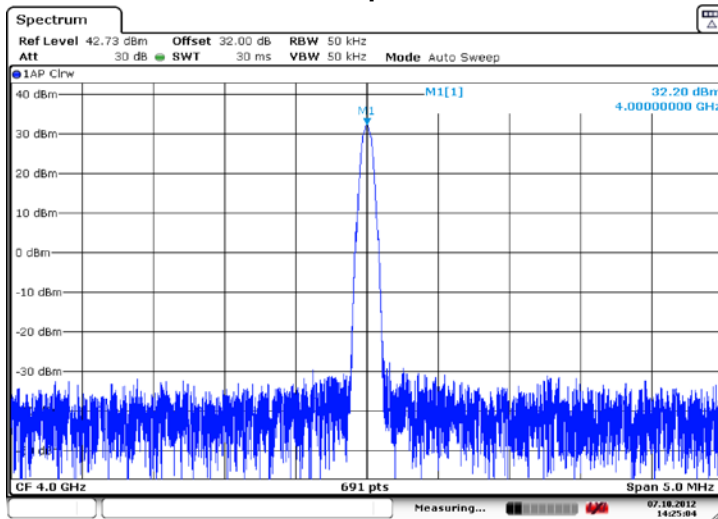


RF-LAMBDA

The power beyond expectations

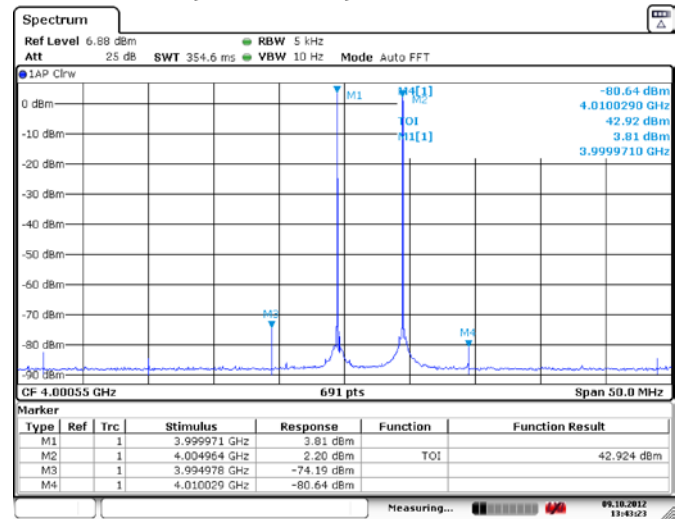
RFSP4TA0208G

1dB Compression Point

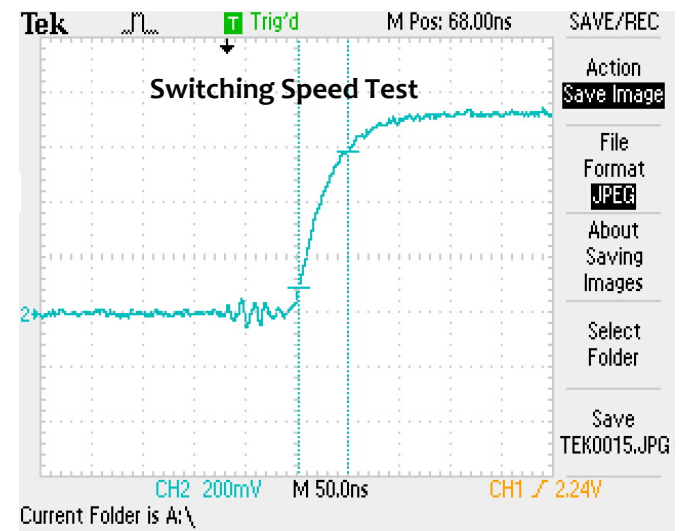
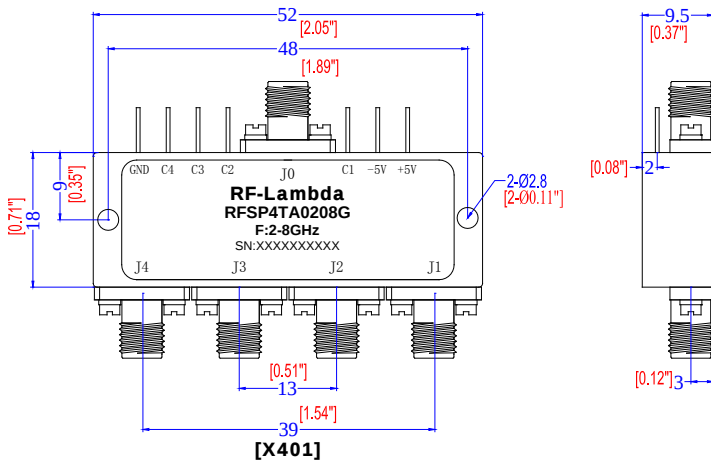


Date: 7.OCT.2012 14:25:04

IP3 – INPUT IP3 Point



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



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.

Absorptive Coaxial Single Pole Four Throw Switch 2-8.0GHz