Absorptive2-8GHz Coaxial SP2T Switch

RoHS Compliant

Features

- Wide Band Operation 2-8GHz
- 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		
	RFSP2TA0208G		
	Low	Med	High
Frequency Range(GHz)	2	5	8
Insertion Loss(dB)	1.0dB typ. @2GHz	1.2dB typ. @5GHz	1.5dB typ. @8GHz
VSWR	1.5	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)	25		
IIP3 (Input IP3) dBm	42.92		
Impedance(Ohms)	50Ω		
Power Supply (V)	+/-5 V DC		
Current(mA)	80mA (+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		
	TTL	Status	
	0	J0-J2	
	1	J0-J1	

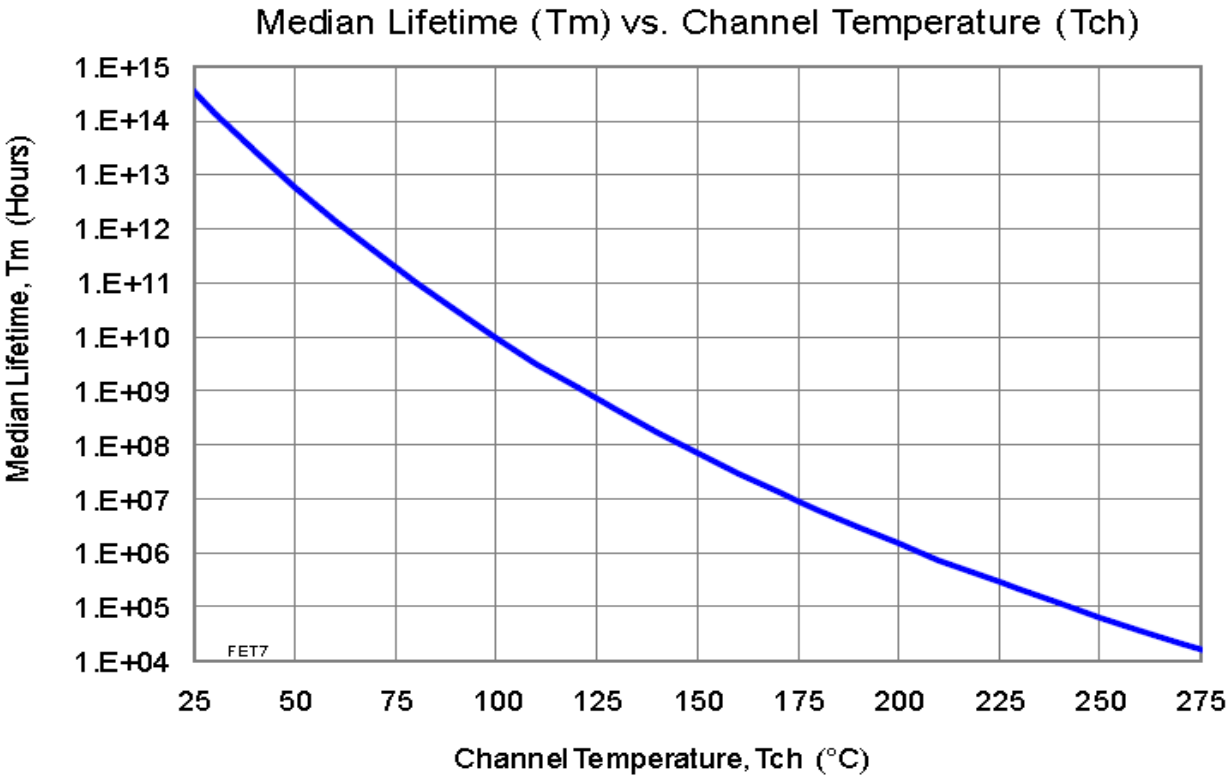
Absorptive Coaxial Single Pole Double Throw Switch 2-8GHz

Absolute Maximum Ratings	
Biasing	+/-5 V
TTL Control Voltage	+5V/0V
Input RF power	+30dBm
Storage Temperature (C°)	-54 to 125°C

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°)	-54 to 125°C
Altitude	30,000 ft (Controlled environment)
Vibration	25g 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
RFSP2TA0208G	EAR99	SP2T 2-8GHz PIN Diode Switch



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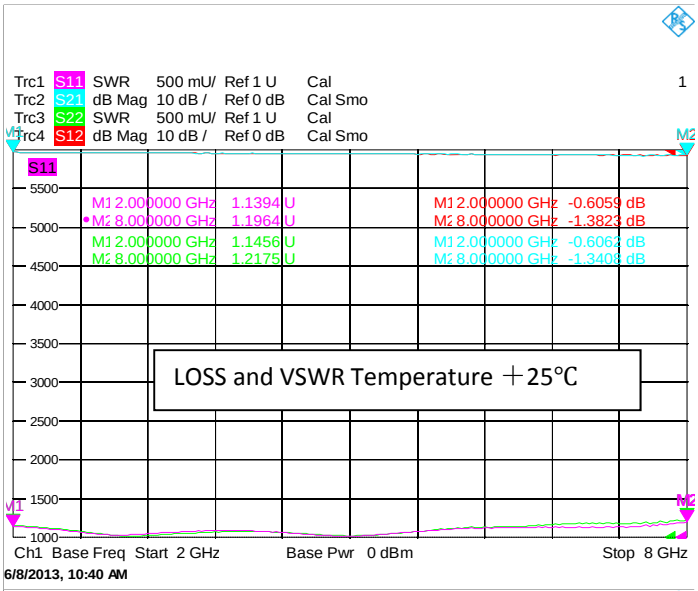

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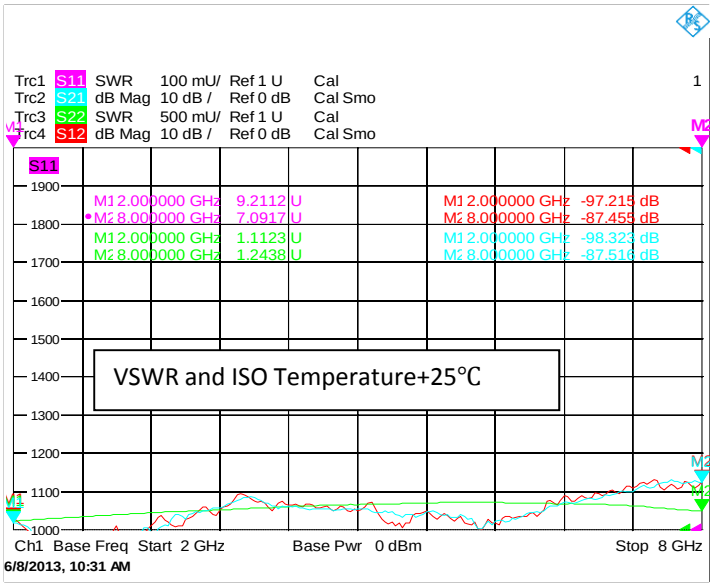

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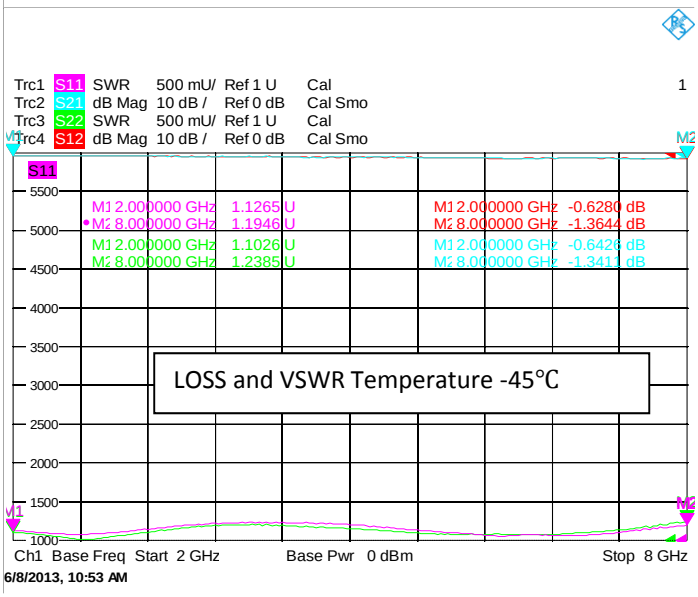

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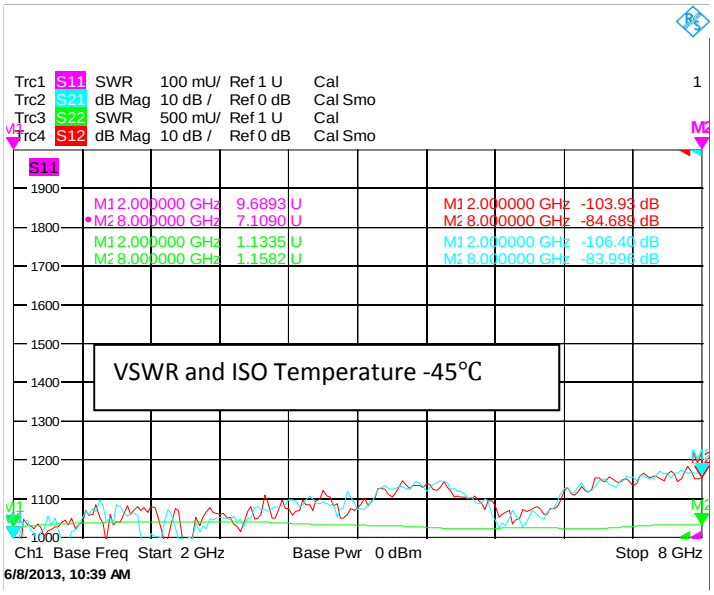

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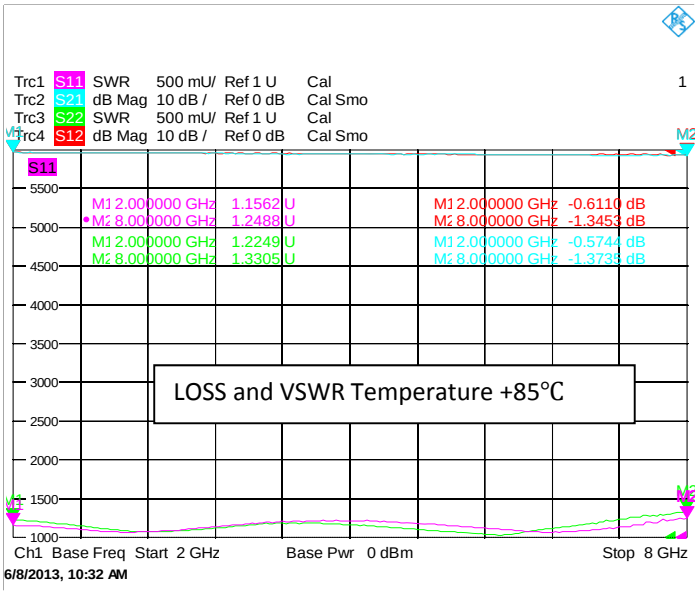

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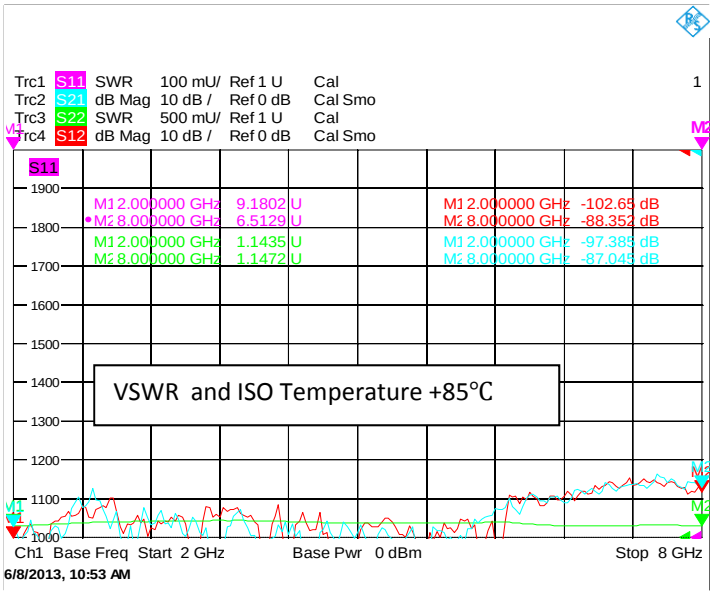

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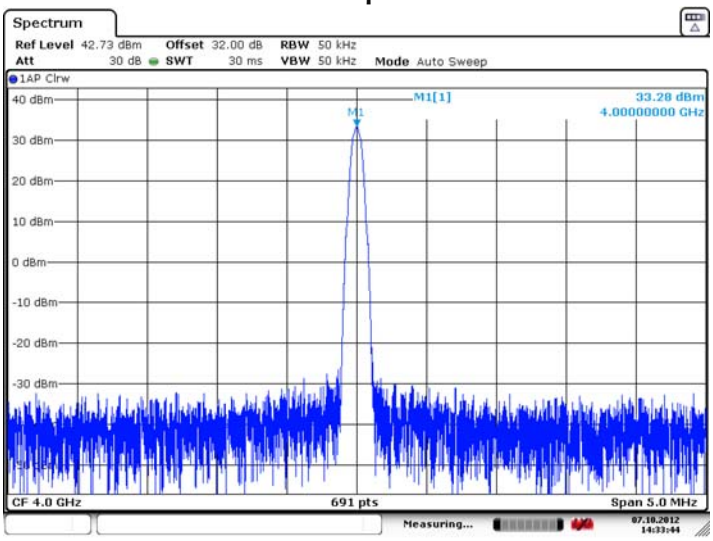
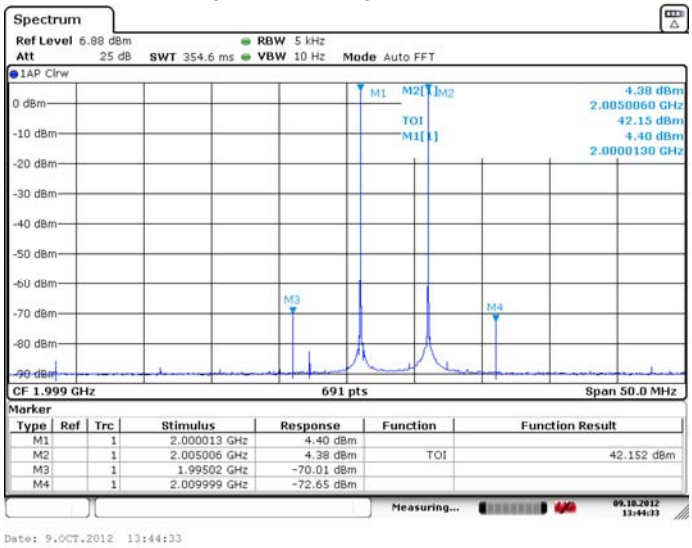
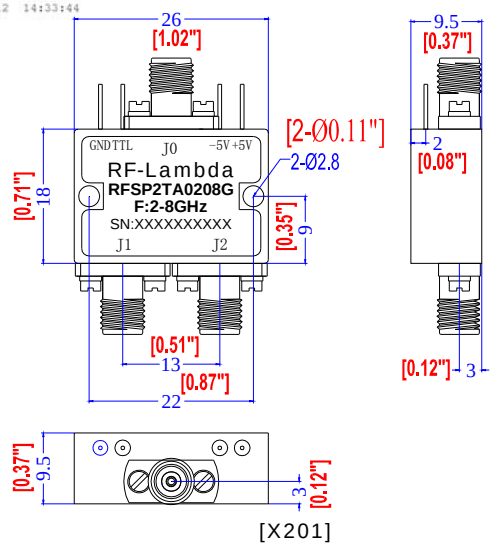
1dB Compression Point



IP3 – INPUT IP3 Point





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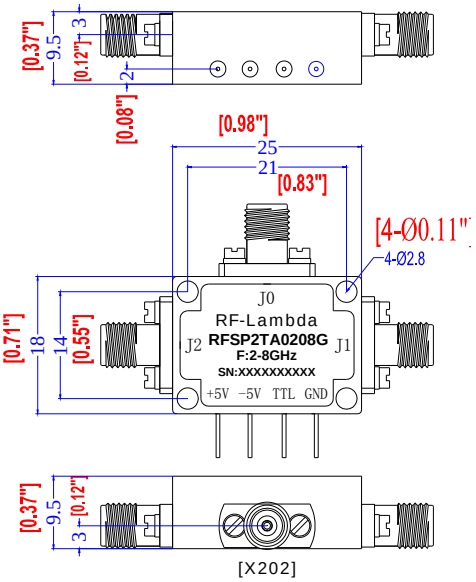

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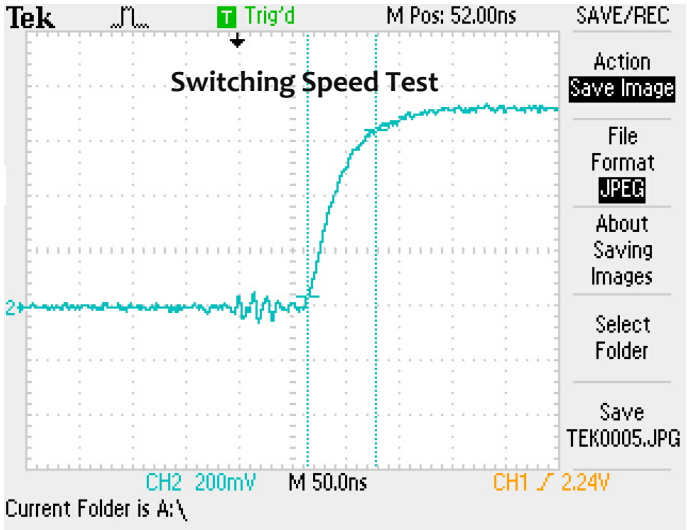

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