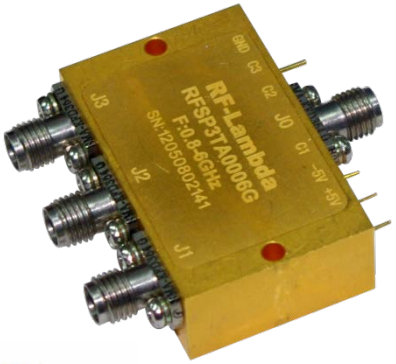
Absorptive 0.8-6.0GHz Coaxial SP3T Switch



RoHS Compliant

Features

- Wide Band Operation 0.8-6.0GHz
- 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

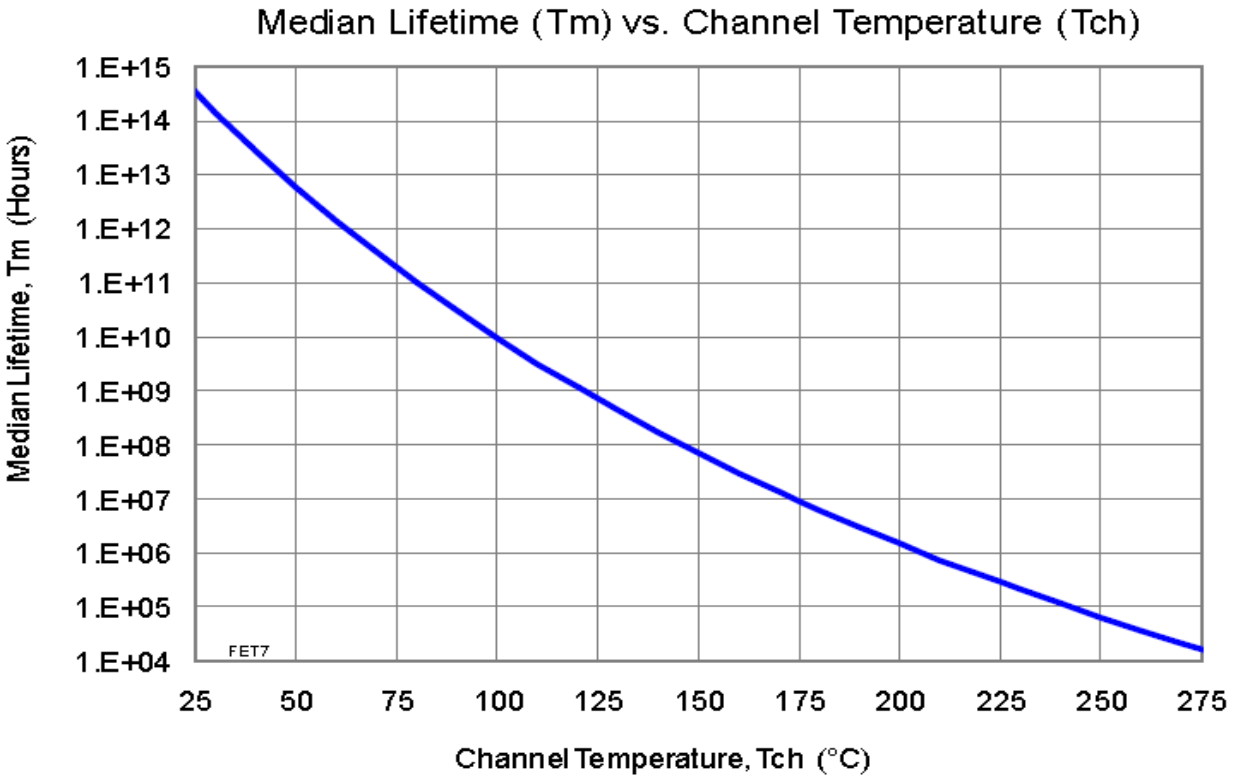
Specification	Absorptive type			
	PN: RFSP3TA0006G			
	Low	Med	High	
Frequency Range(GHz)	0.8	3.4	6	
Insertion Loss(dB)	1.0dB typ.	1.2dB typ.	1.5dB typ	
VSWR	1.5	1.4	1.5	
Isolation(dB)	70	70	60	
Switching Speed(ns)	50	100	150	
P1dB Power (dBm)		27		
Absolutely max. Power (W)			5	
Weight (g)	35			
IIP3 (Input IP3) dBm	40			
Impedance(Ohms)	50Ω			
Power Supply (V)	+/-5 V DC			
Current(mA)	100mA (+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			
	C3	C2	C1	Status
	0	0	1	J0-J1
	0	1	0	J0-J2
	1	0	0	J0-J3

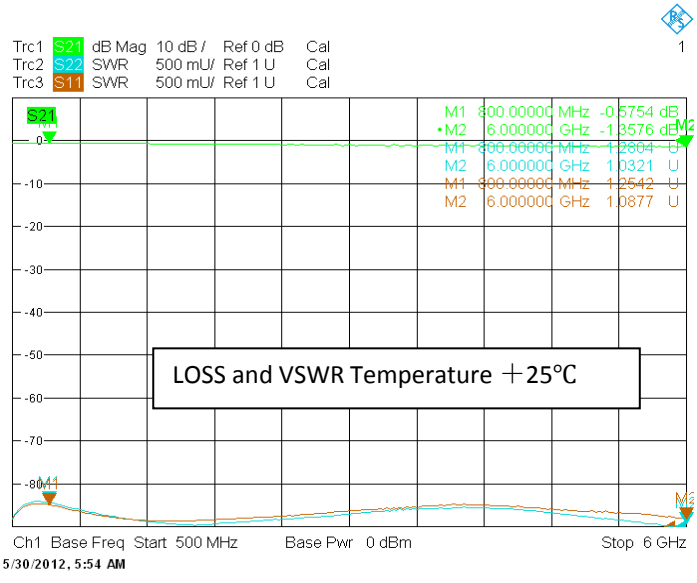
Absolute Maximum Ratings	
Biasing	+/-5 V
TTL Control Voltage	+5V/0V
Input RF power	5W
Storage Temperature (C°)	-50 ~ +125

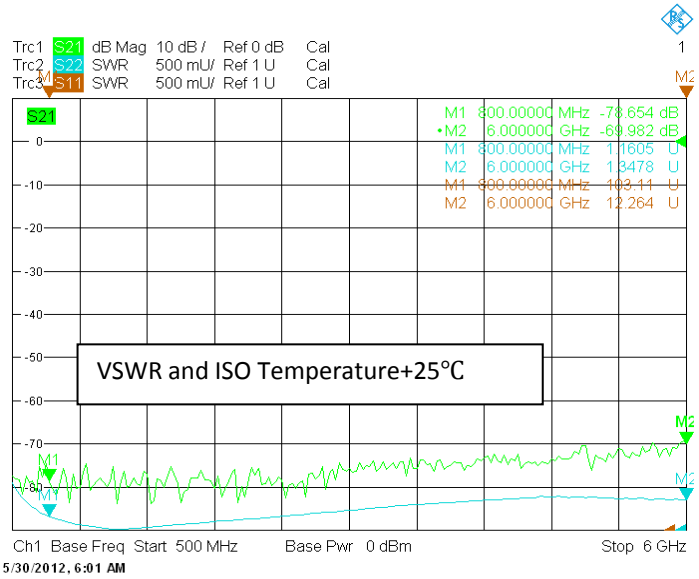
Biasing Up Procedure	
Step 1	-5V
Step 2	+5V
Step 3	TTL
Power OFF Procedure	
Step 1	+5V
Step 2	-5V
Step 3	TTL

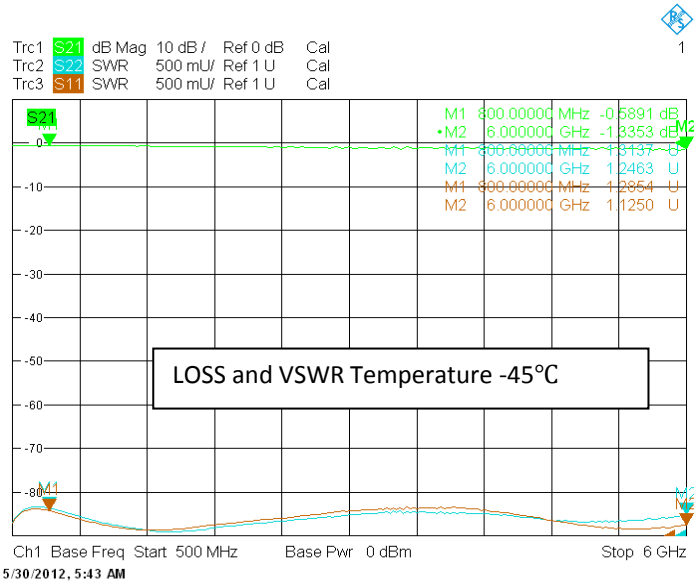
Environment specifications	
Operational Temperature (C°)	-45 ~ +85
Storage Temperature (C°)	-50 ~ +125
Altitude	30,000 ft (Controlled environment)
Vibration	35g rms (15 degree 2KHz)
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msc

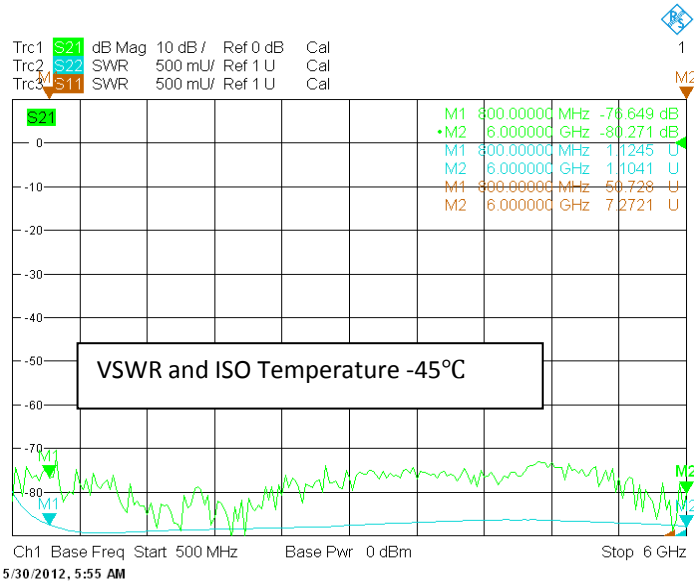
Ordering Information		
Part No	ECCN	Description
RFSP3TA0006G	EAR99	SP3T 0.8-6GHz PIN Diode Switch

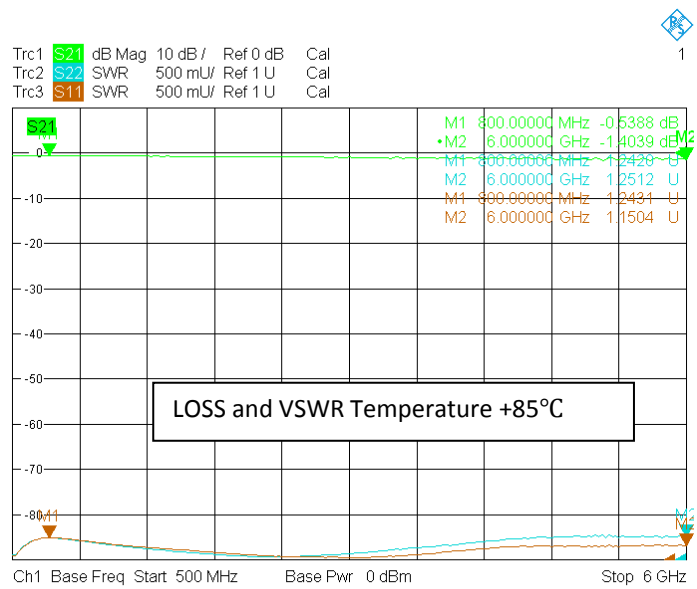


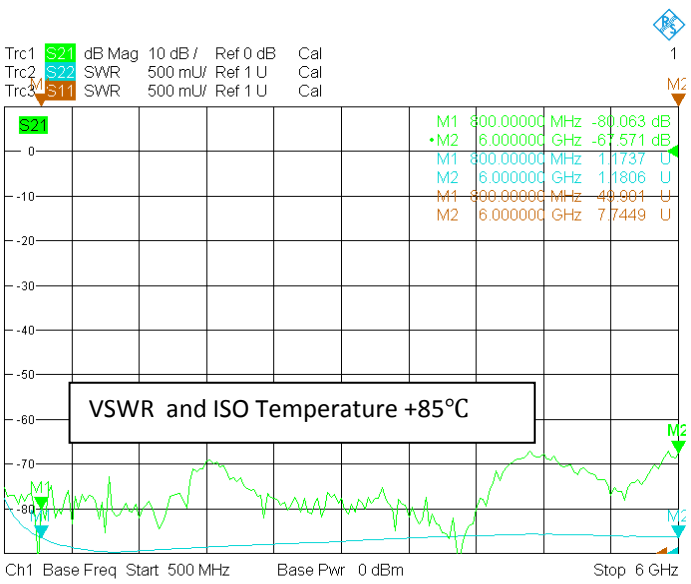








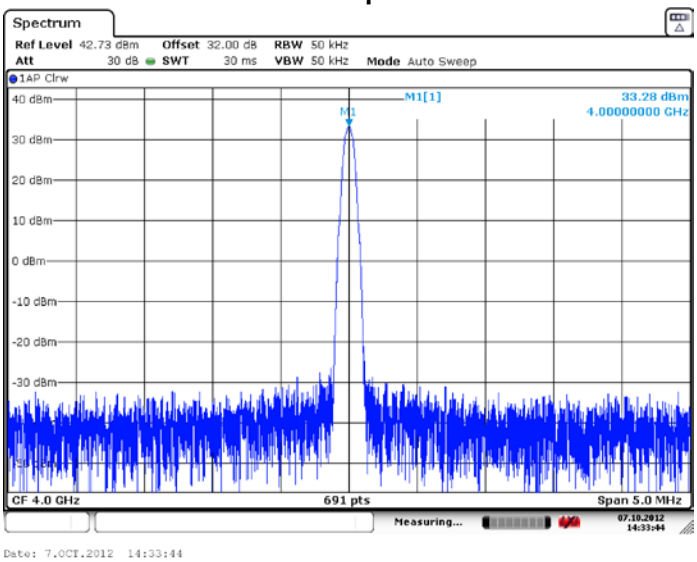




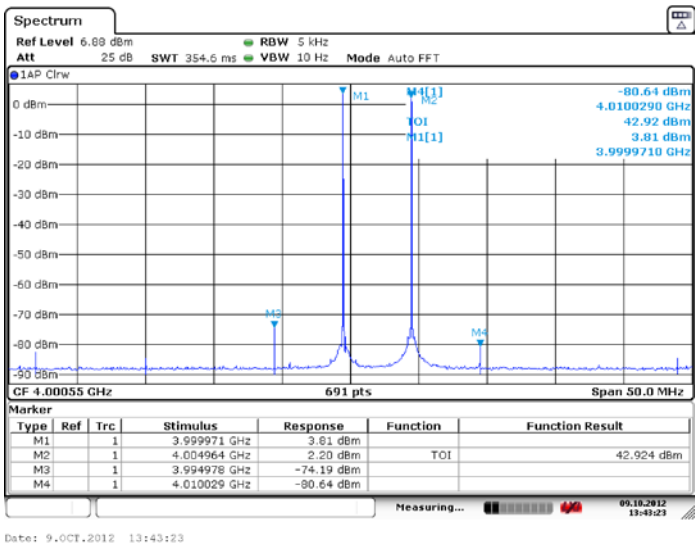
Absorptive Coaxial Single Pole Three Throw Switch 0.8-6.0GHz

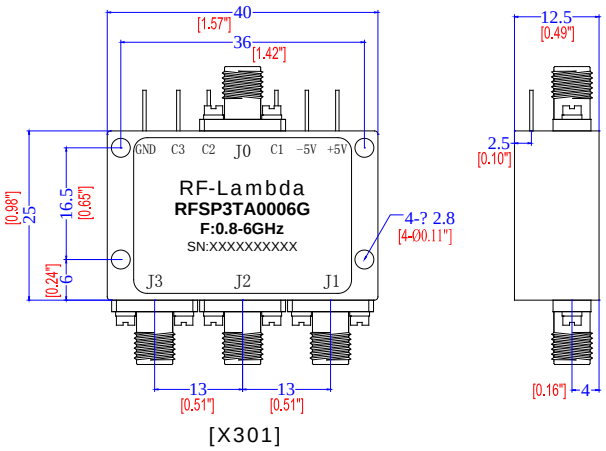
Absorptive Coaxial Single Pole Three Throw Switch 0.8-6.0GHz

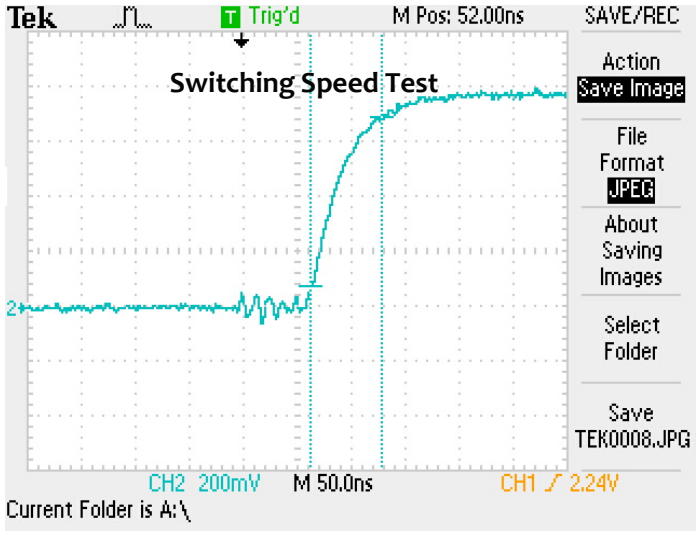
1dB Compression Point



IP3 – INPUT IP3 Point







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