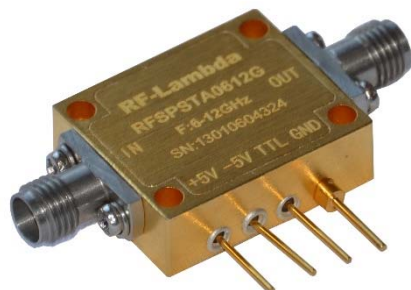




Reflective 1-20GHz Coaxial SPST Switch



Features

- Wide Band Operation 1-20GHz
- High Power Handle Capability up to 100W 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	Reflective type		
	PN: RFSPSTR0120G		
	Low	Med	High
Frequency Range(GHz)	1	10.5	20
Insertion Loss(dB)	1.2dB typ.	2.0dB typ.	3.0dB typ.
VSWR	1.8	1.8	2.0
Isolation(dB)	85	85	80
Switching Speed(ns)	50	50	50
P1dB Power (dBm)		23	
Absolutely max. Power (W)			1W as shown 100W upon request
Weight (g)	100		
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	OFF	
	1	ON	

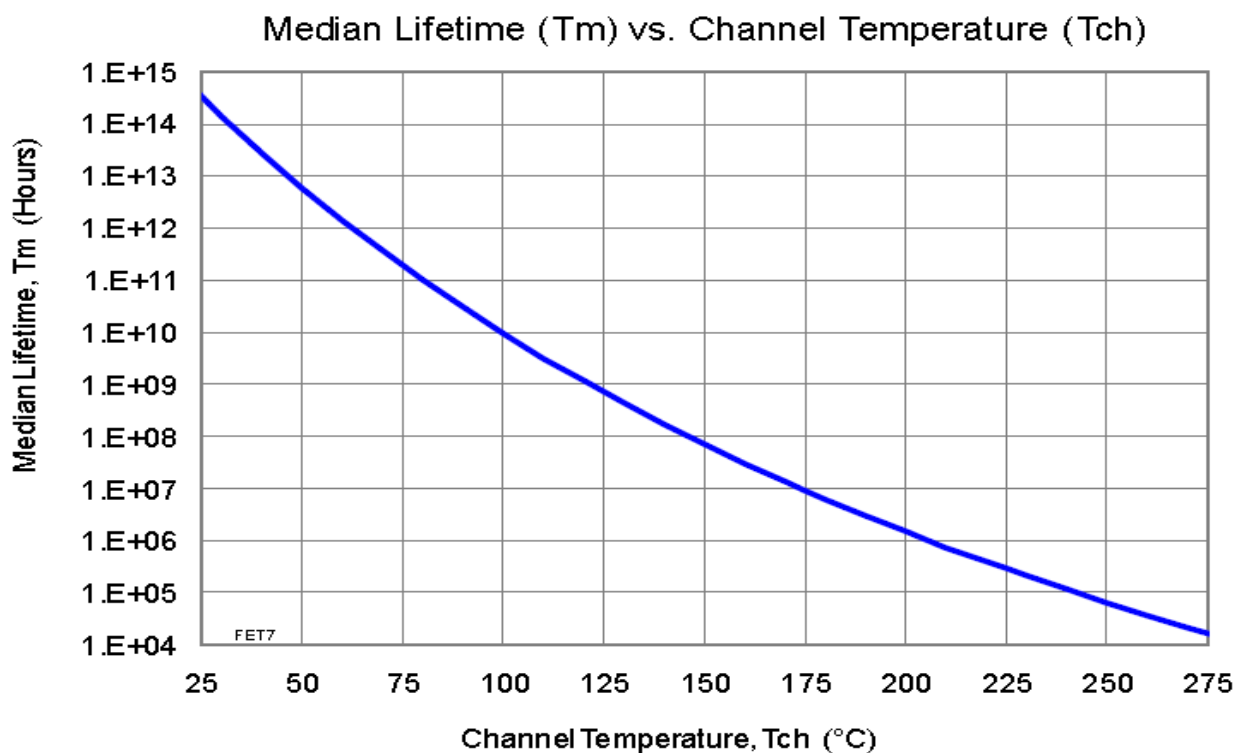


Absolute Maximum Ratings	
Biasing	+/-5 V
TTL Control Voltage	+5V/oV
Input RF power	Up to 100W upon request
Storage Temperature (C°)	-50 ~ +125

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	15g 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
RFSPSTR0120G	EAR99	SPST 1-20GHz PIN Diode Switch



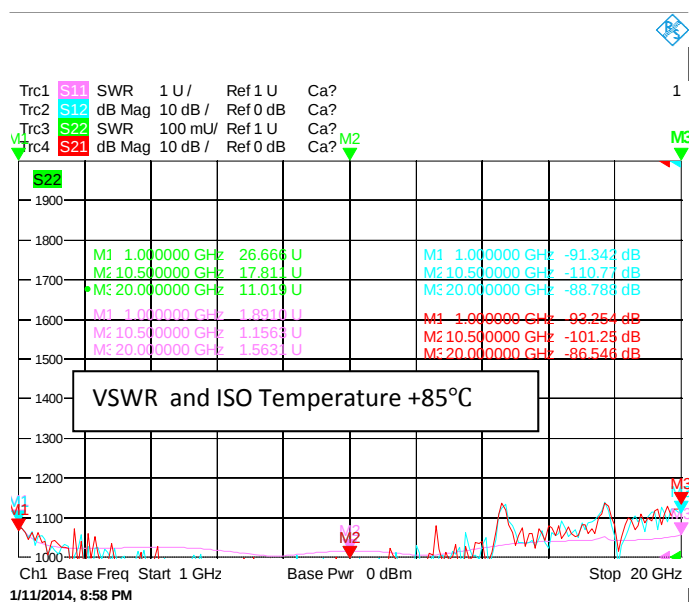
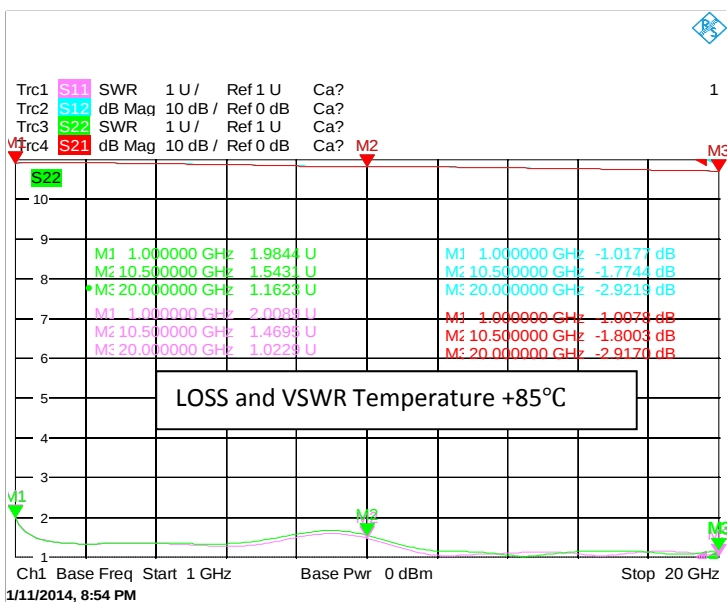
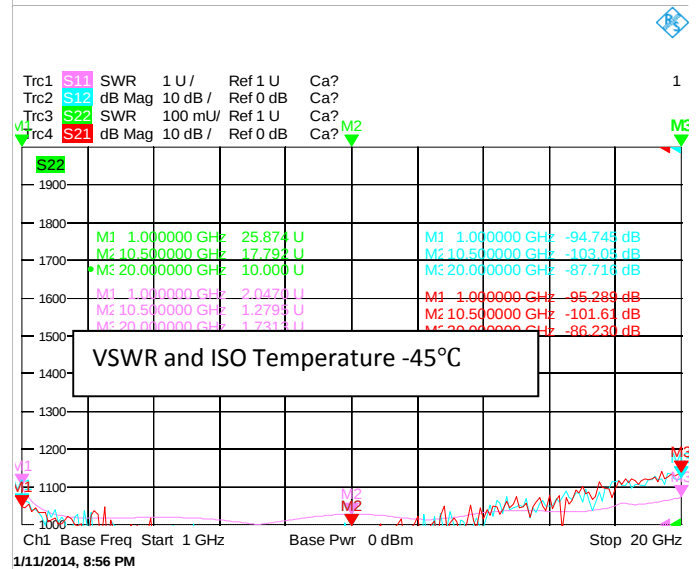
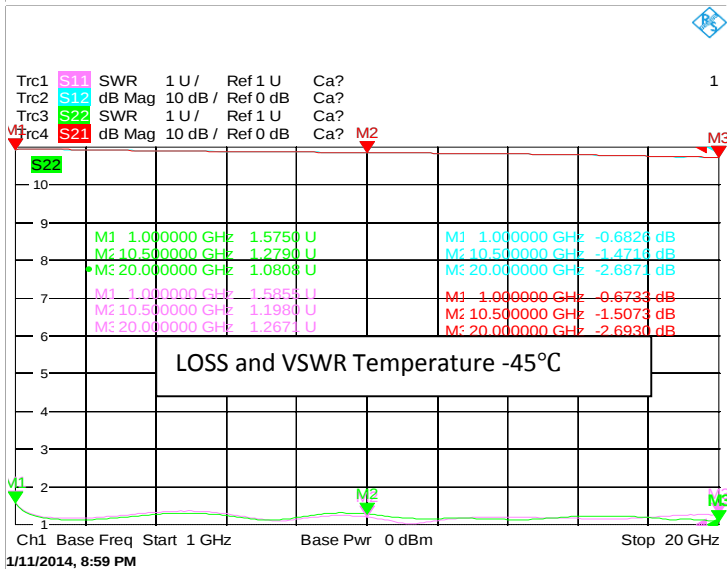
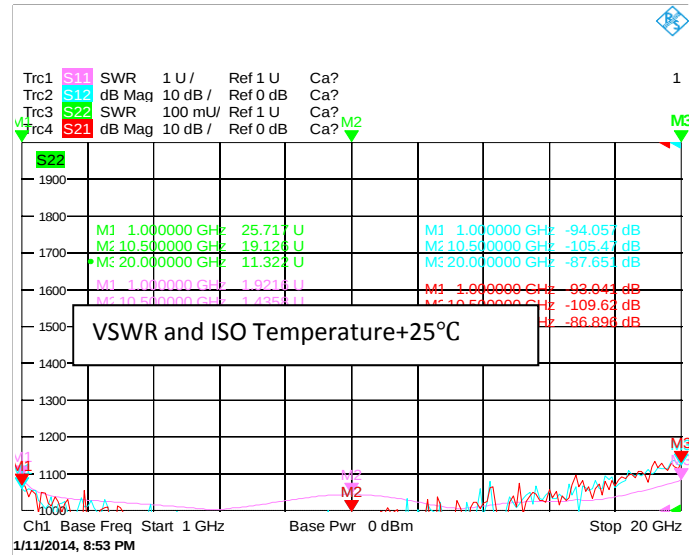
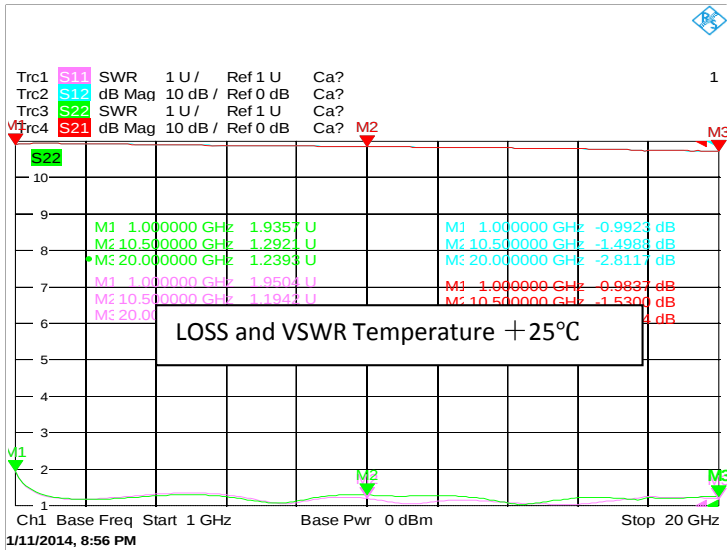


RF-LAMBDA

The power beyond expectations

RFSPSTR0120G

Reflective Coaxial Single Pole Single Throw Switch 1-20GHz



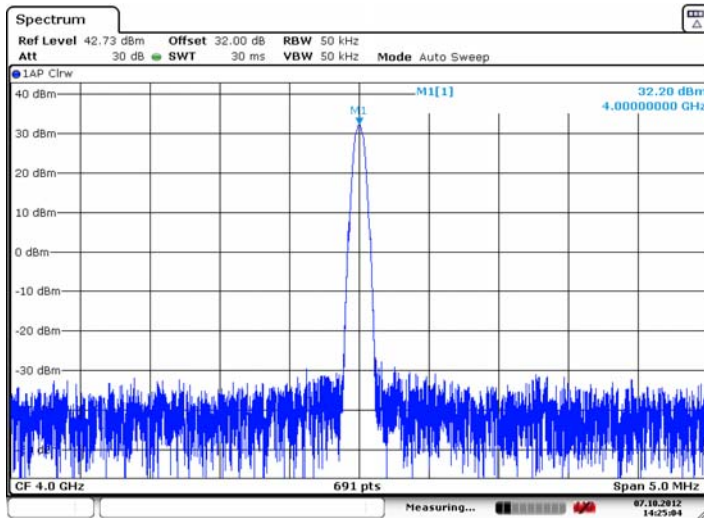


RF-LAMBDA

The power beyond expectations

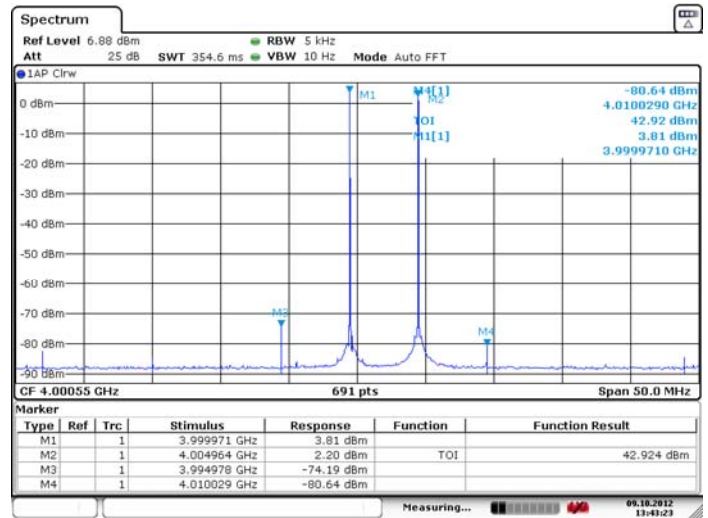
RFSPST0120G

1dB Compression Point

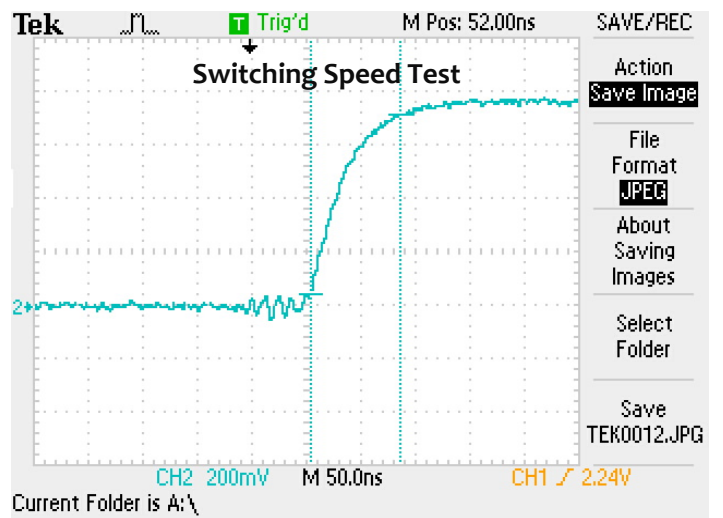
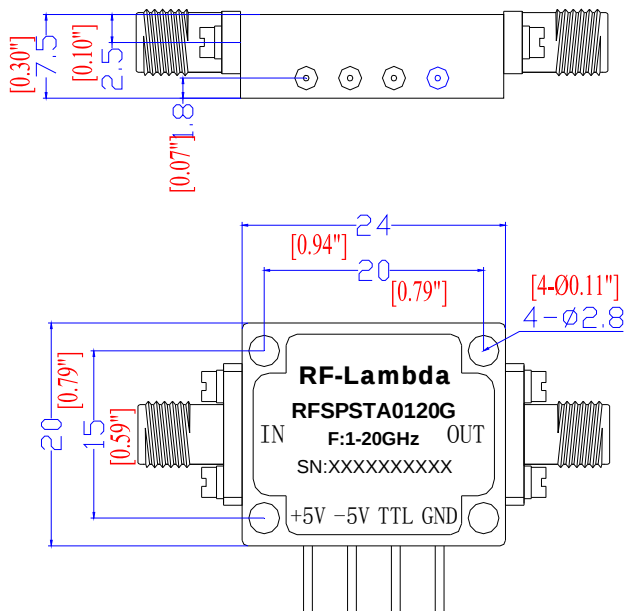


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IP3 – INPUT IP3 Point



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



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