



Absorptive and Reflective 2-20GHz Coaxial SP4T

Features

- Wide Band Operation 2-20GHz
- 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



Absorptive SP4T- Single Pole Four Throw						
Part Number	Frequency (GHz)	Insert. Loss (dB)	VSWR (Max:1)	Isolation min (dB)	Power (Watts)	Switching Speed (ns)
RFSP4TA0220G	2-20	3.0	1.8	80	P1dB=1W min 5W PK <200us	200
Reflective SP4T- Single Pole Four Throw						
Part Number	Frequency (GHz)	Insert. Loss (dB)	VSWR (Max:1)	Isolation min (dB)	Power (Watts)	Switching Speed (ns)
RFSP4TR0220G	2-20	2.5	1.8	80	1W~5W	200

Electrical Operation

DC Biasing:

+5.0V (+/-0.5V 120mA max.)

-5.0V (+/-0.5V 50mA max.)

High Voltage Biasing is required for high RF power model.

TTL Logic Control:

Mechanical Specification

Case Style: As shown

Finishing: Gold plating for brass material
Other finishing available

Connector: SMA-F Per MIL-C-39012

Seal: Hermetically Sealed

Control PIN: 0.02" dia x 0.15" solder pins

Weight: 40 grams max.

C4	C3	C2	C1	
1	1	1	0	Jo-J1
1	1	0	1	Jo-J2
1	0	1	1	Jo-J3
0	1	1	1	Jo-J4



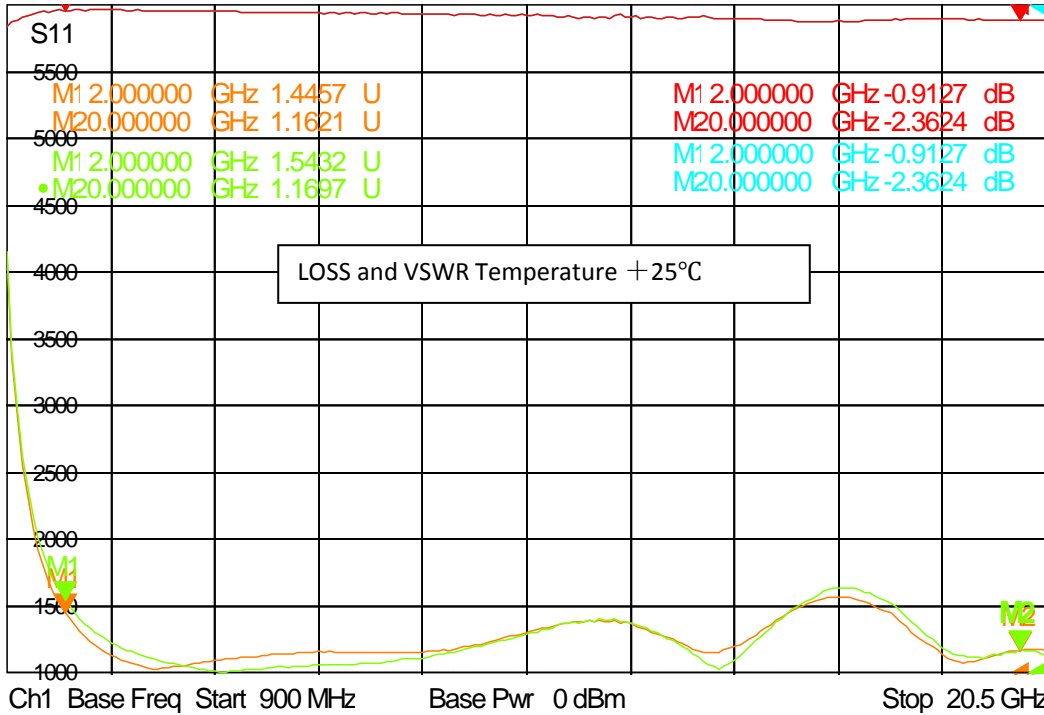
RF-LAMBDA

The power beyond expectations

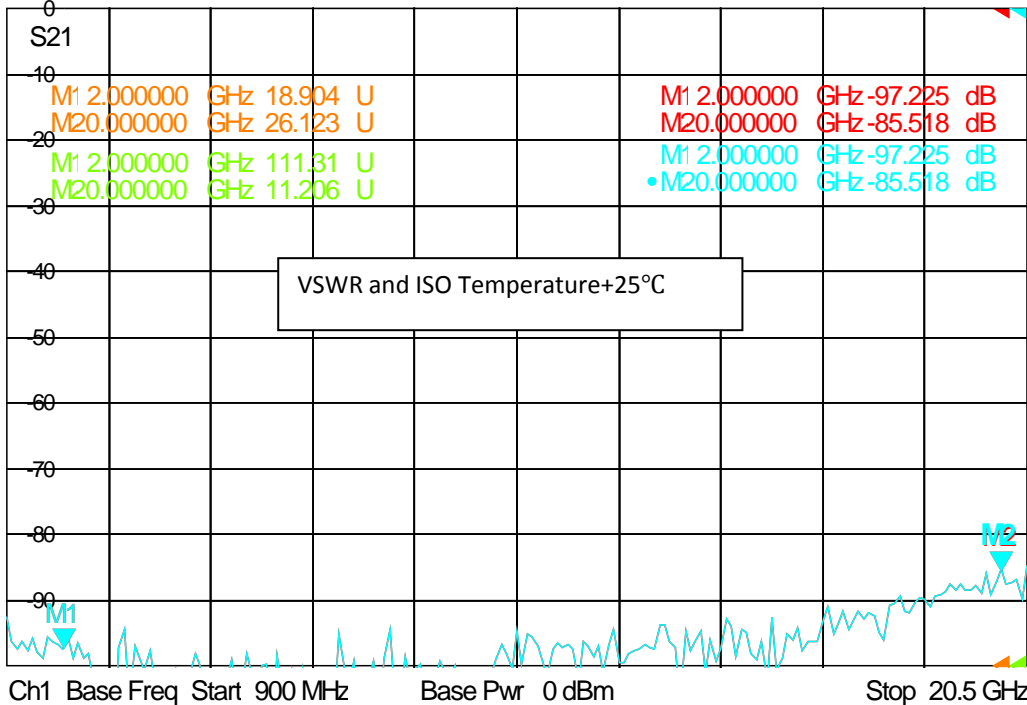
2-20GHz PIN SP4T

Absorptive / Reflective Coaxial Single Pole Four Throw Switch 2-20GHz

Trc1	SWR	500 mU/	Ref 1 U	Cal
Trc2	dB Mag	10 dB/	Ref 0 dB	Cal
Trc3	SWR	500 mU/	Ref 1 U	Cal
Trc4	dB Mag	10 dB/	Ref 0 dB	Cal



Trc1	SWR	500 mU/	Ref 1 U	Ca?
Trc2	dB Mag	10 dB/	Ref 0 dB	Ca?
Trc3	SWR	500 mU/	Ref 1 U	Ca?
Trc4	dB Mag	10 dB/	Ref 0 dB	Ca?



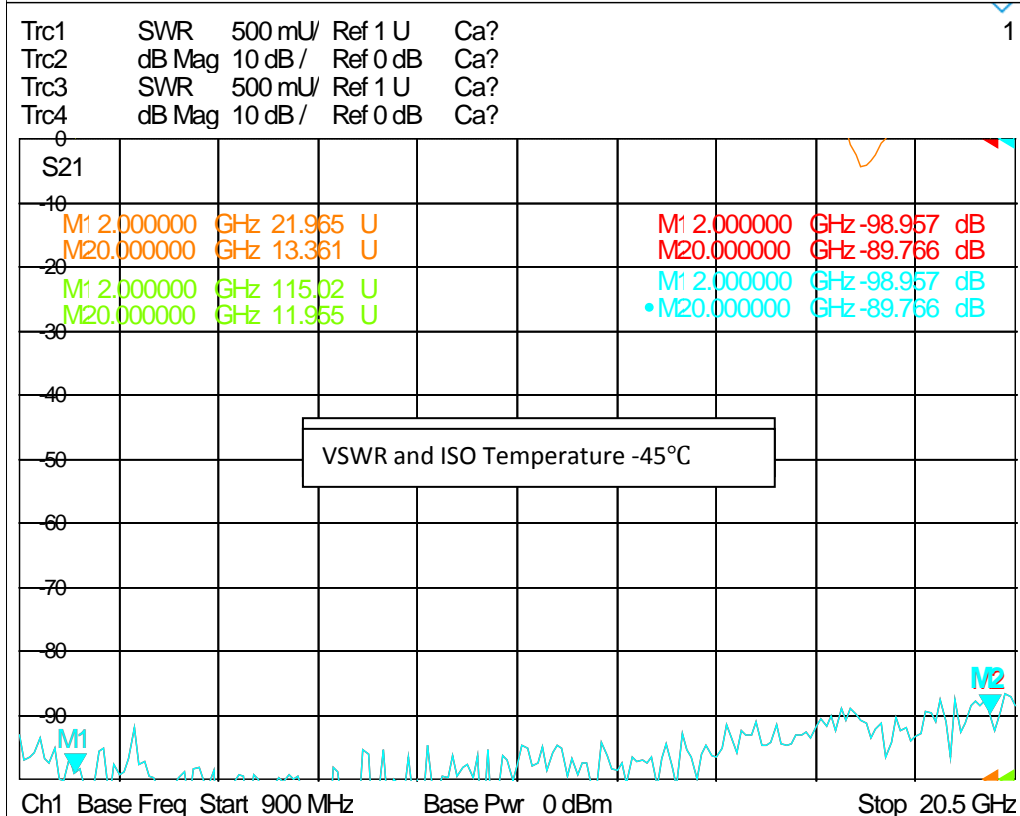
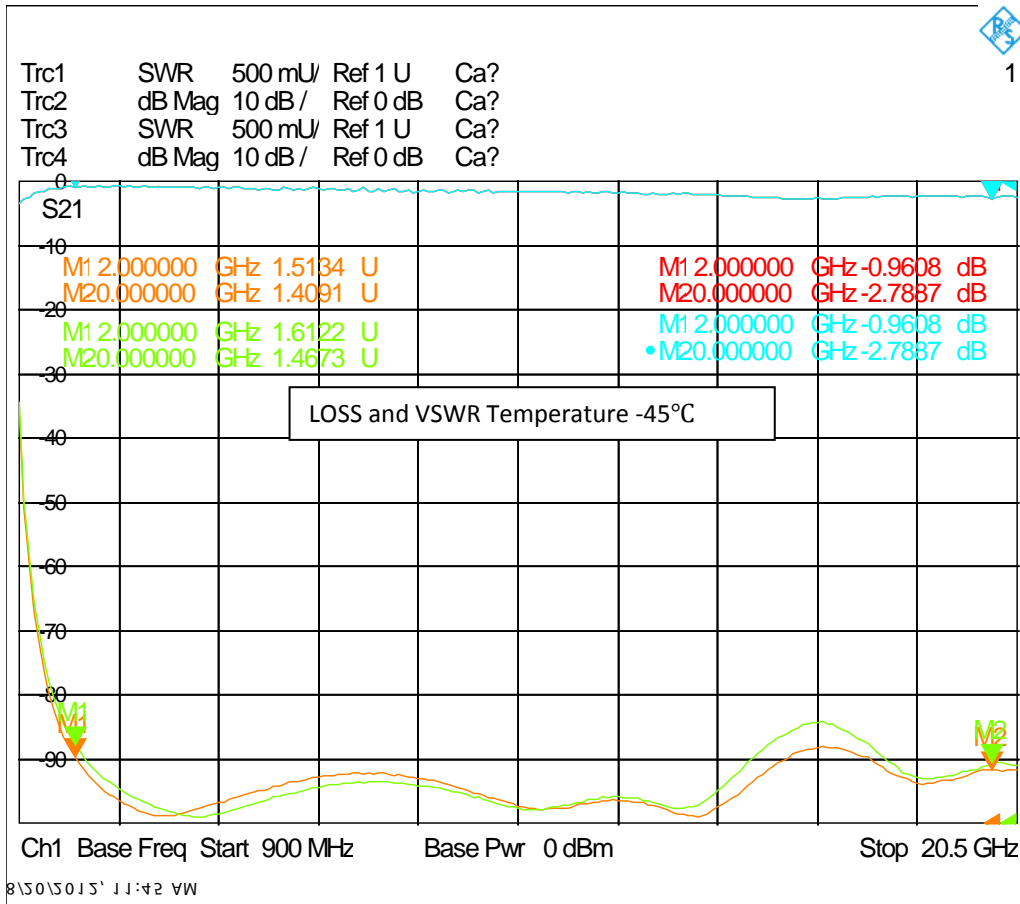


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The power beyond expectations

2-20GHz PIN SP4T

Absorptive / Reflective Coaxial Single Pole Four Throw Switch 2-20GHz



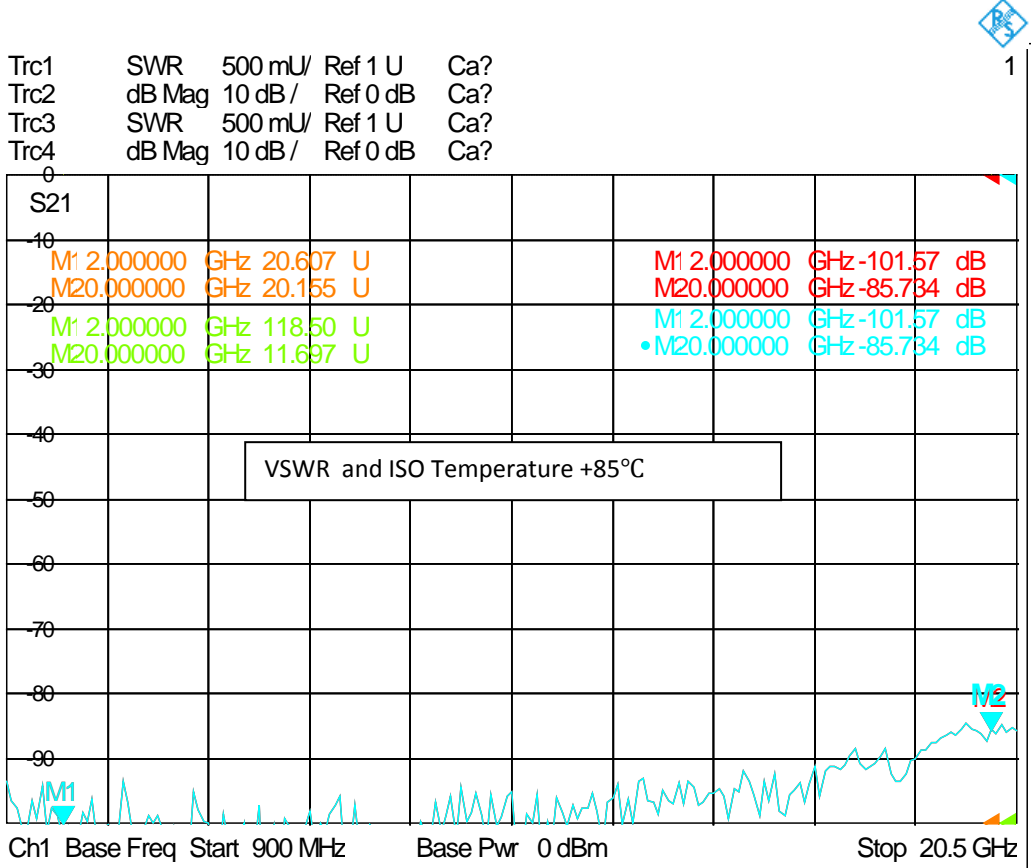
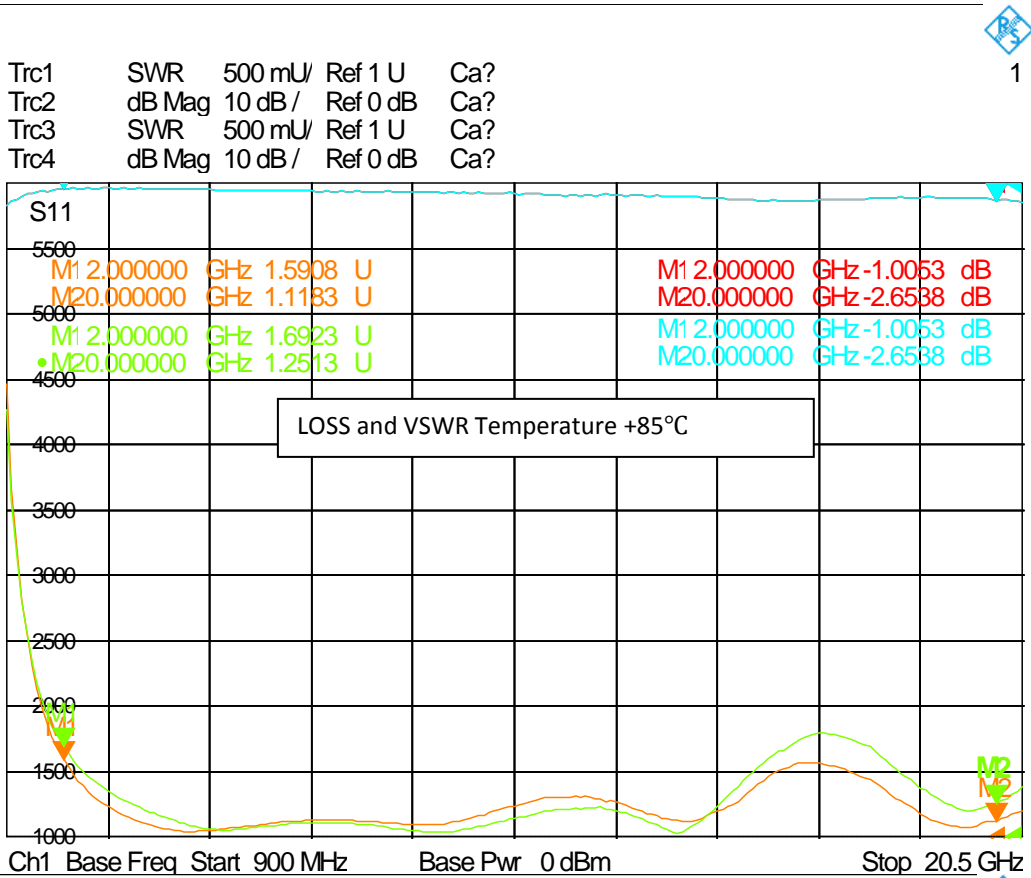


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2-20GHz PIN SP4T

Absorptive / Reflective Coaxial Single Pole Four Throw Switch 2-20GHz

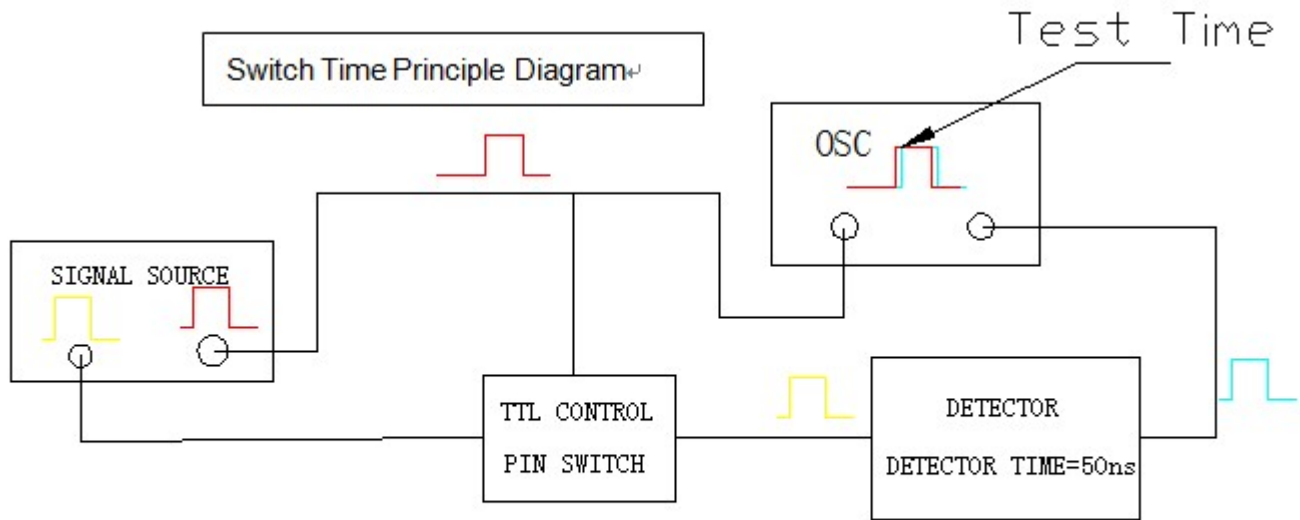




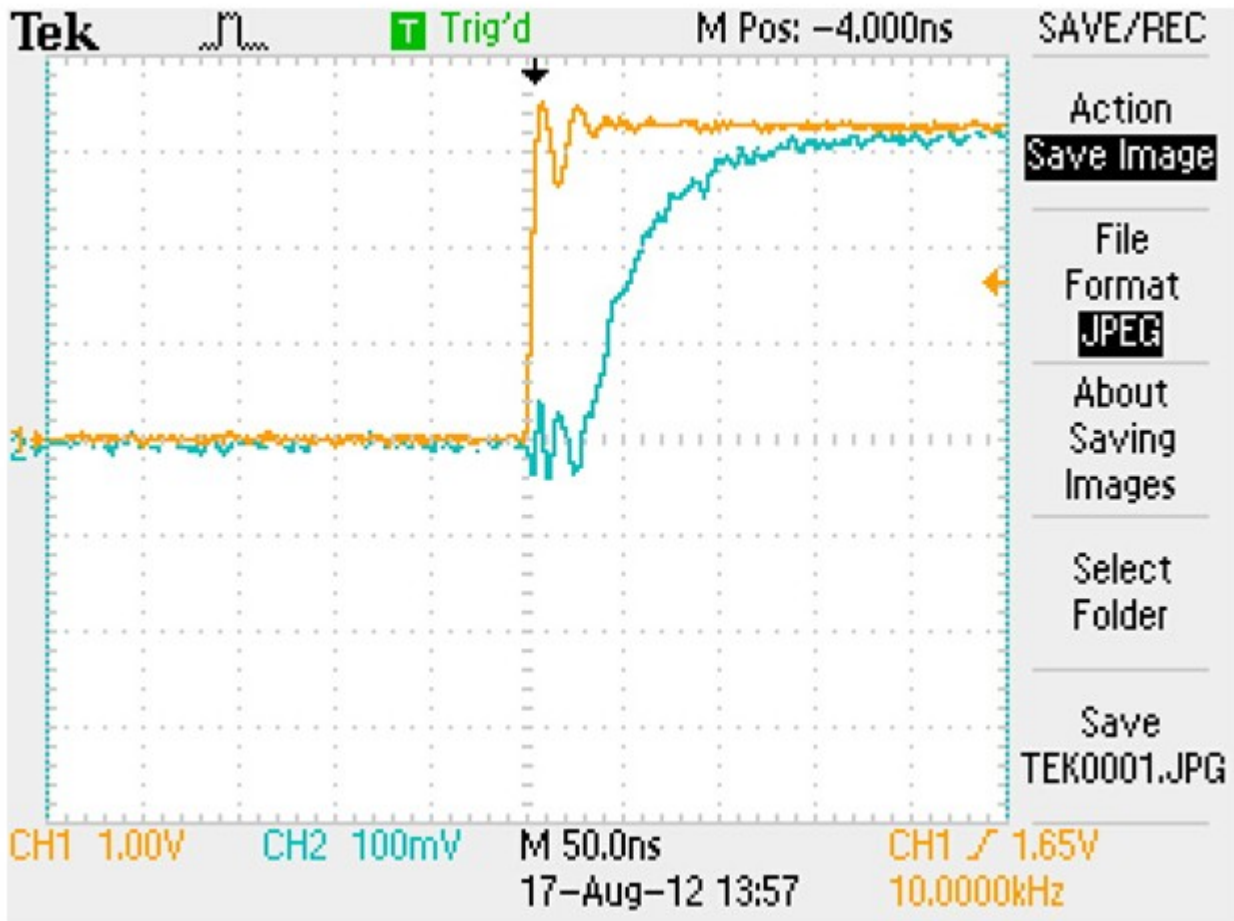
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The power beyond expectations

2-20GHz PIN SP4T



$$\text{Switch Time} = \text{Test Time} - \text{Detector Time}$$



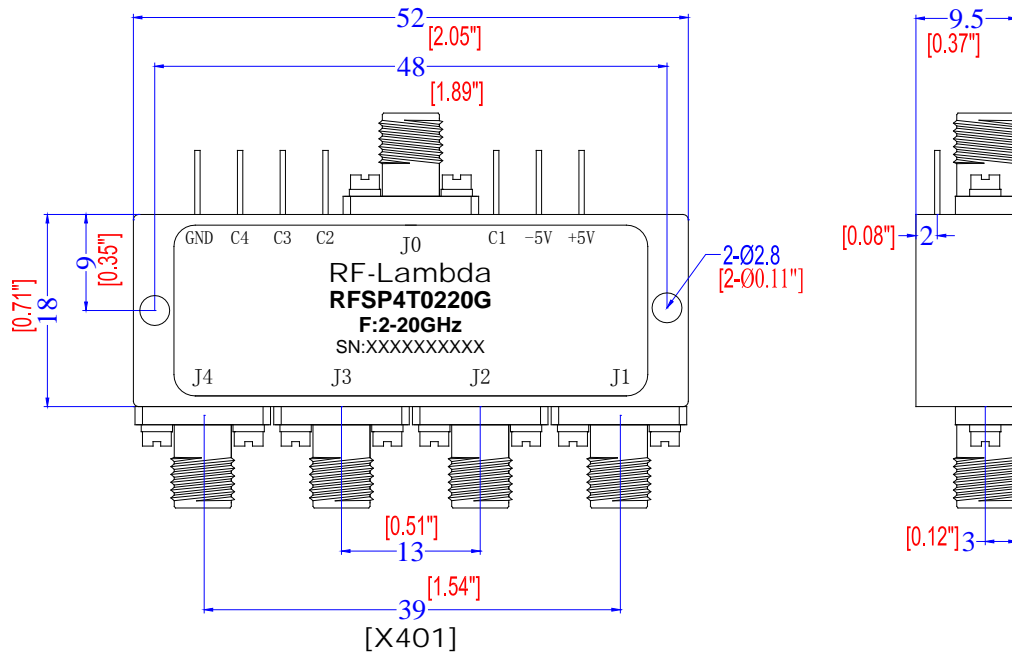
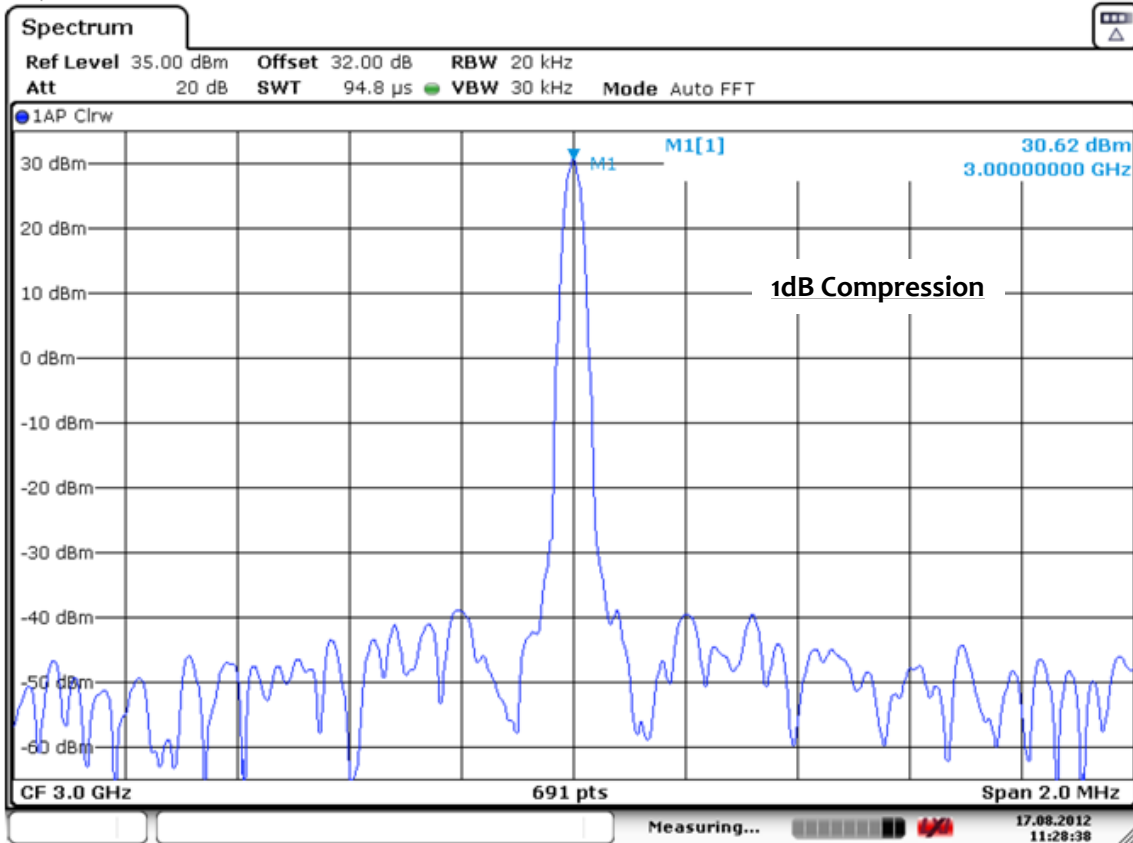
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The power beyond expectations

2-20GHz PIN SP4T



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