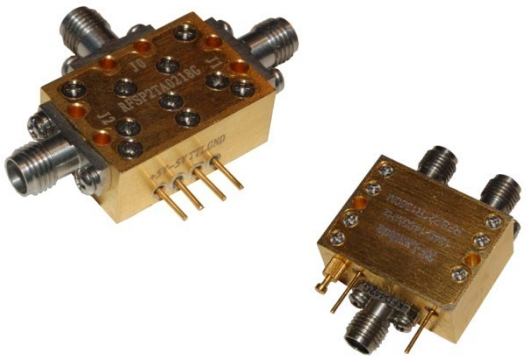
Absorptive and Reflective 2.0-18.0GHz Coaxial SP2T



Features

- Wide Band Operation 2.0-18.0GHz
- 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

Absorptive SP2T- Single Pole Double Throw						
Part Number	Frequency (GHz)	Insert. Loss (dB)	VSWR (Max:1)	Isolation min (dB)	Power (Watts)	Switching Speed (ns)
RFSP2TA0218G	2-18	2.5 typ. 3.2 max	2.2	60	0.2W opt. 1W max.	50~100
Reflective SP2T- Single Pole Double Throw						
Part Number	Frequency (GHz)	Insert. Loss (dB)	VSWR (Max:1)	Isolation min (dB)	. Power (Watts)	Switching Speed (ns)
RFSP2TR0218G	2-18	2.5 typ. 3.2 max	2.2	60	0.5~5	100~500

Mechanical Specification

Case Style: W201, W202, W203 type.
Finishing: Gold plating for brass material
Other finishing available
Connector: SMA-F Per MIL-C-39012
Control PIN: 0.02" dia x 0.15" solder pins
Weight: 20 grams max.
Mounting: (4 / 6) 0.1" dia through holes

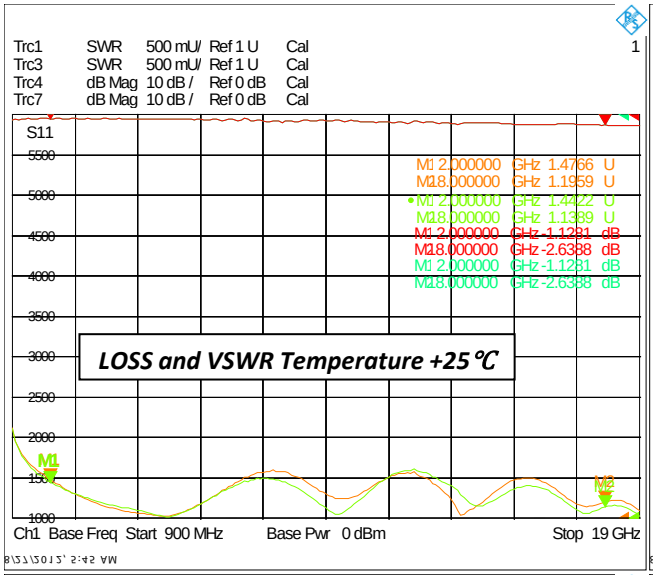
Electrical Operation

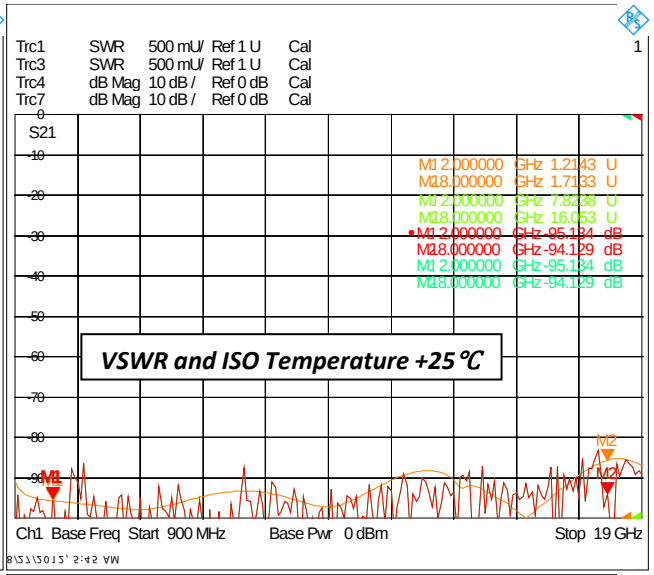
DC Biasing:
+5.0V (+/-0.5V 30mA max.)
-5.0V (+/-0.5V 30mA max.)
High Voltage Biasing is required for high RF power model.

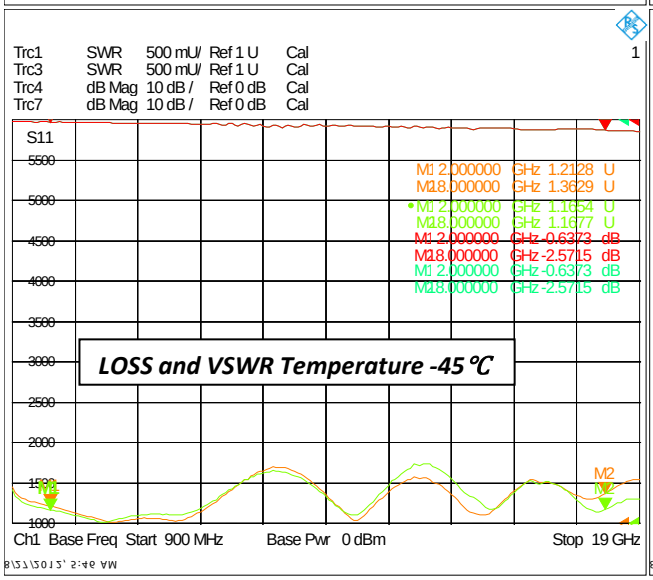
TTL Logic Control:

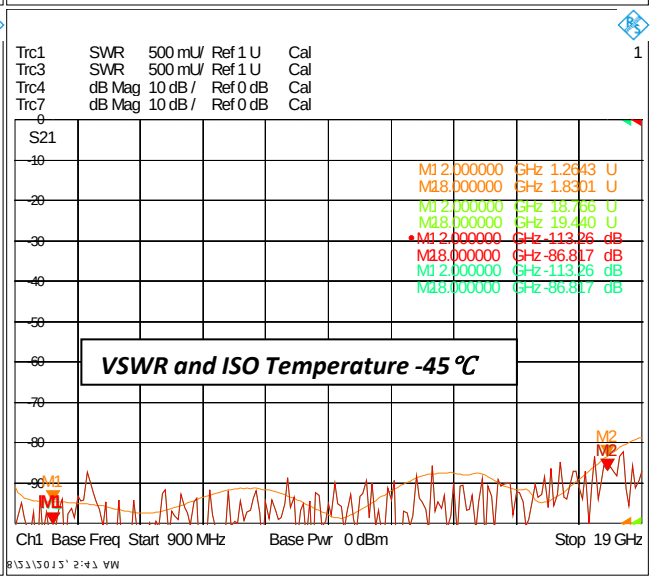
0	J0->J2
1	J0->J1

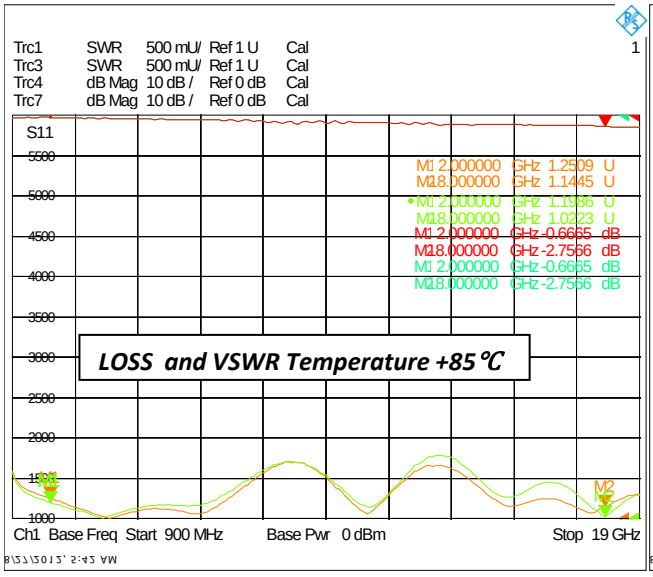
Power Handle: 0.2W~5W (upon request)

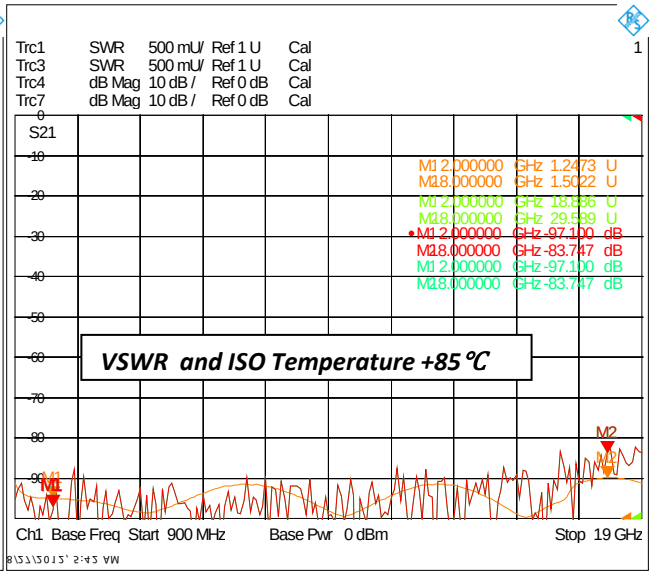




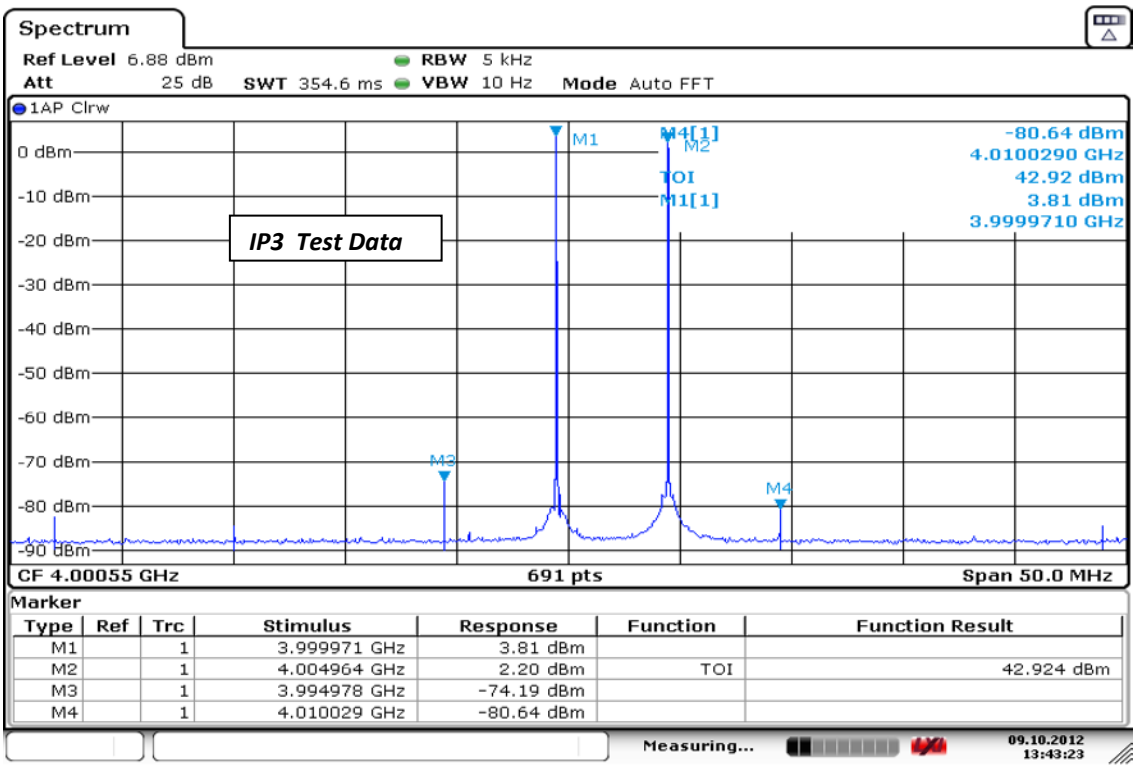








Absorptive / Reflective Coaxial Single Pole Double Throw Switch 2.0-18.0GHz



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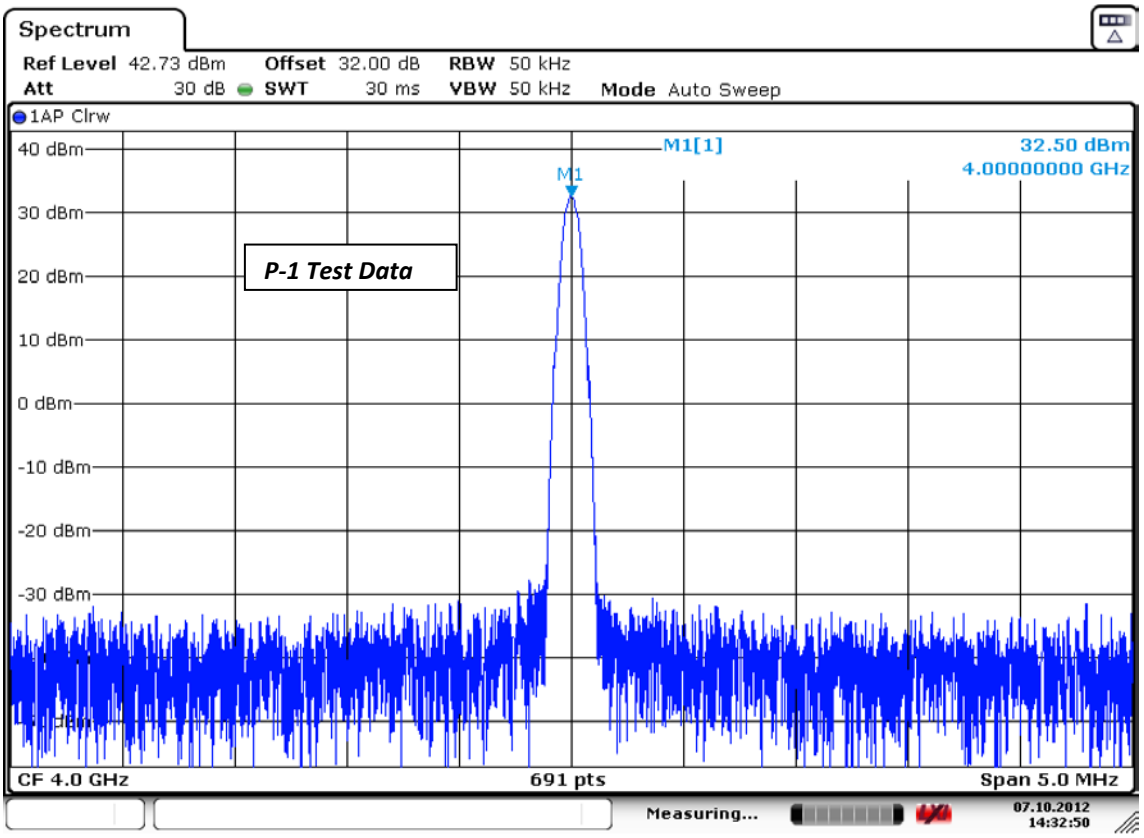

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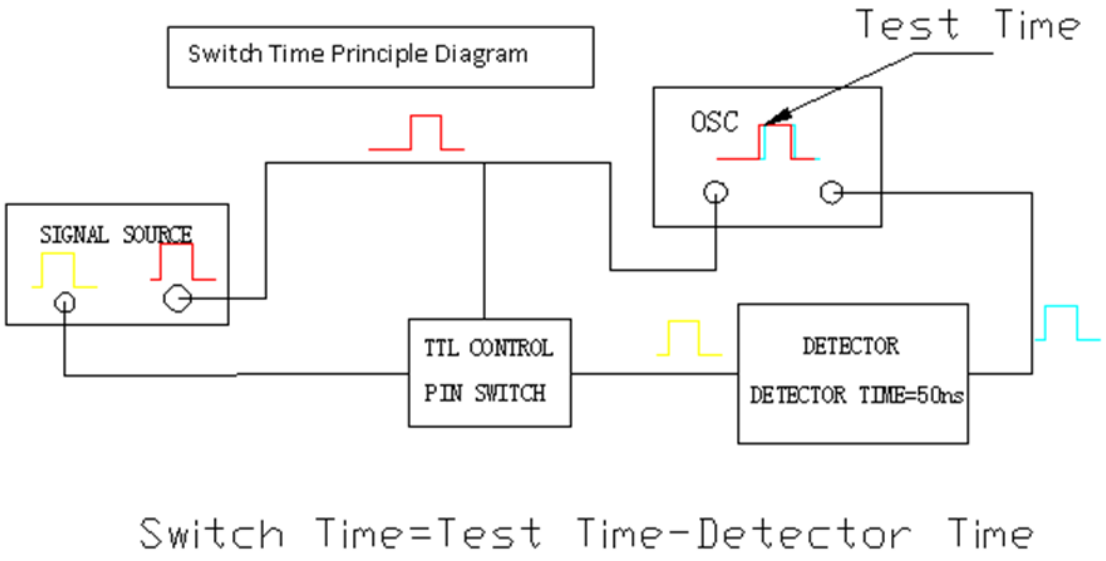
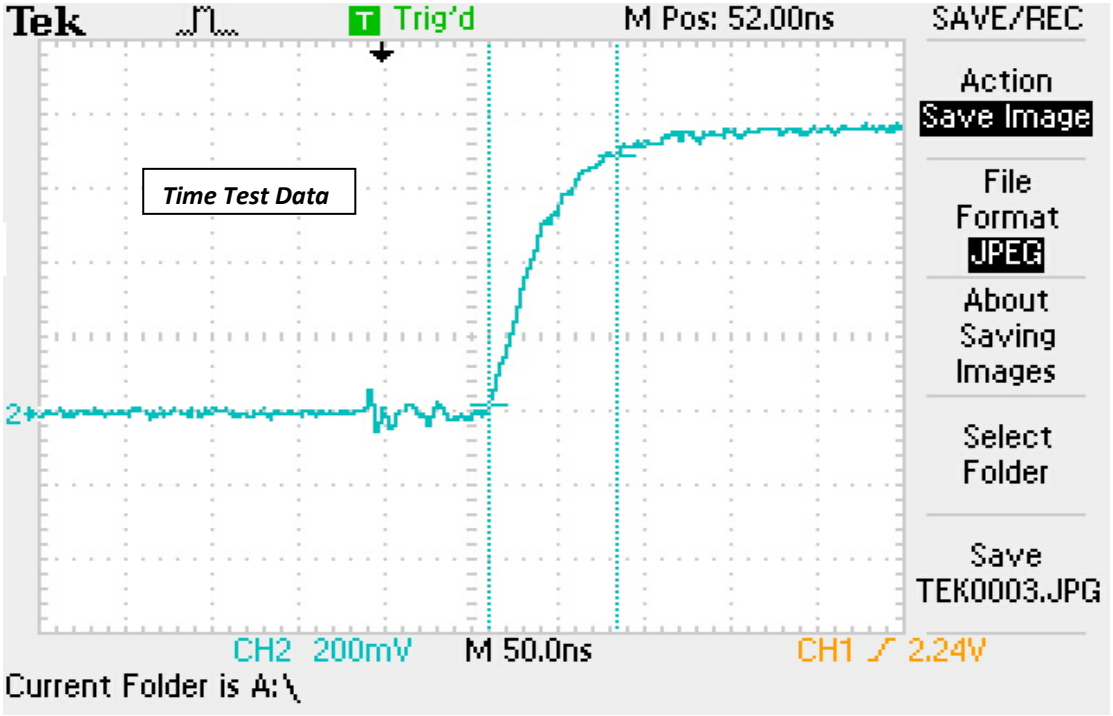
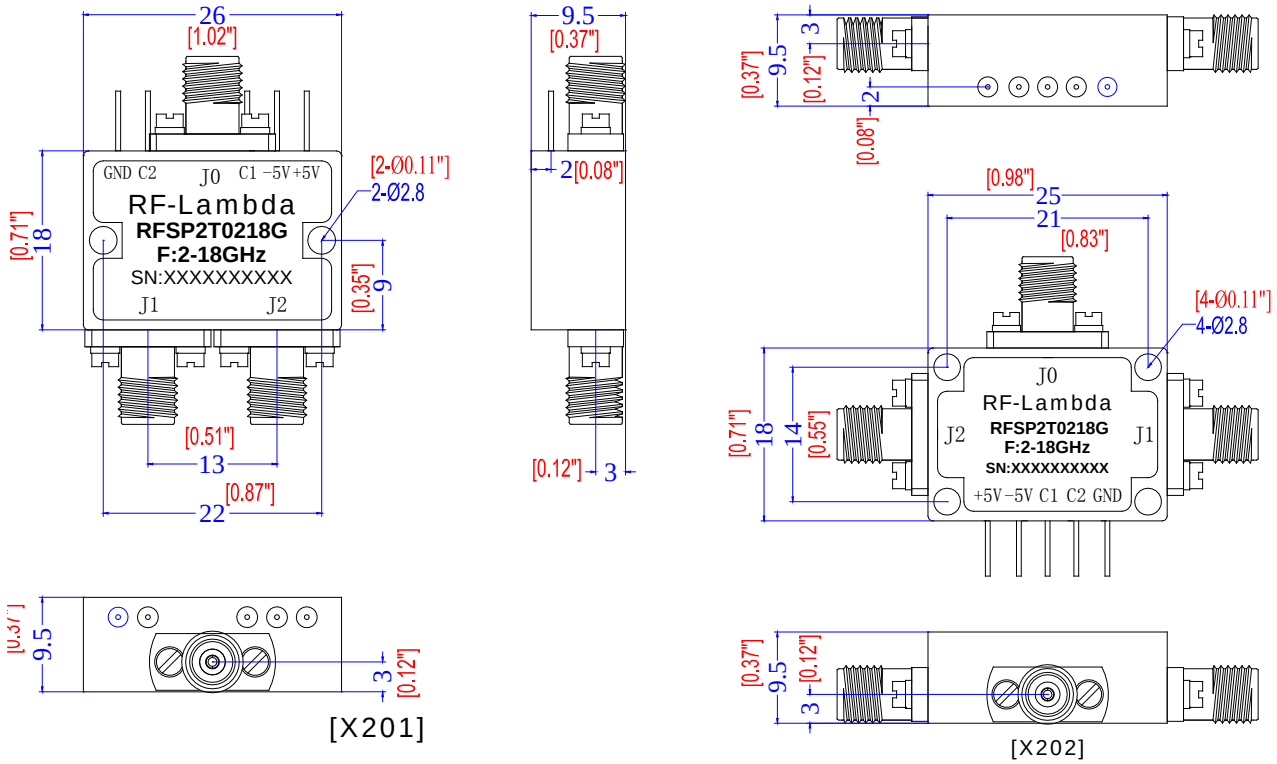


Switch Time=Test Time-Detector Time





Note: Contact RF-Lambda for faster switching speed, higher power handle, higher isolation

1.Higher power handle capability will give lower isolation , higher biasing current and slower switching speed.

2.Narrower frequency band will improve insertion loss and isolation.