



## Absorptive and Reflective 6.0-12.0GHz Coaxial SP2T



### Features

- Wide Band Operation 6.0-12.0GHz
- High Power Handle Capability up to 5W upon request.
- TTL compatible driver include
- Fast Switching Speed
- Low Insertion Loss and High Isolation
- Temperature Range -55°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) | Avg. Power (Watts) | Switching Speed (ns) |
| RFSP2TA0612G                              | 6-12            | 2.5               | 1.8          | 80                 | 0.2~1.0            | 50~100               |
| Reflective SP2T- Single Pole Double Throw |                 |                   |              |                    |                    |                      |
| Part Number                               | Frequency (GHz) | Insert. Loss (dB) | VSWR (Max:1) | Isolation min (dB) | Avg. Power (Watts) | Switching Speed (ns) |
| RFSP2TR0612G                              | 6~12            | 2.5               | 1.8          | 80                 | 1~5                | 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) 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:  
Single TTL  
"1"=J1 ON, "0"=J2 ON

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

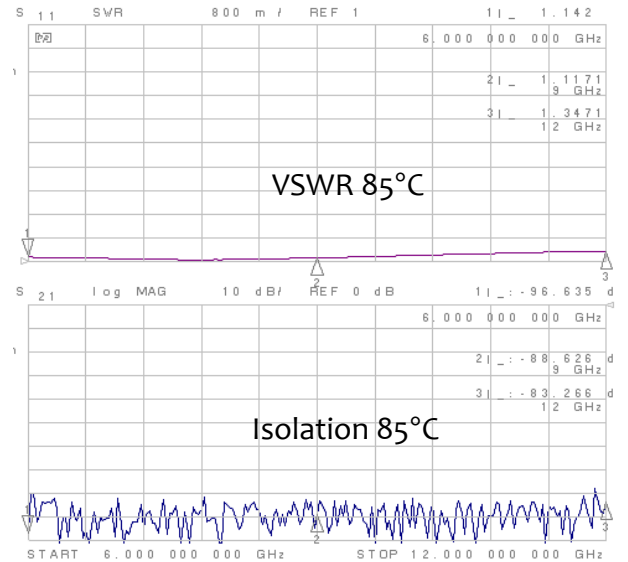
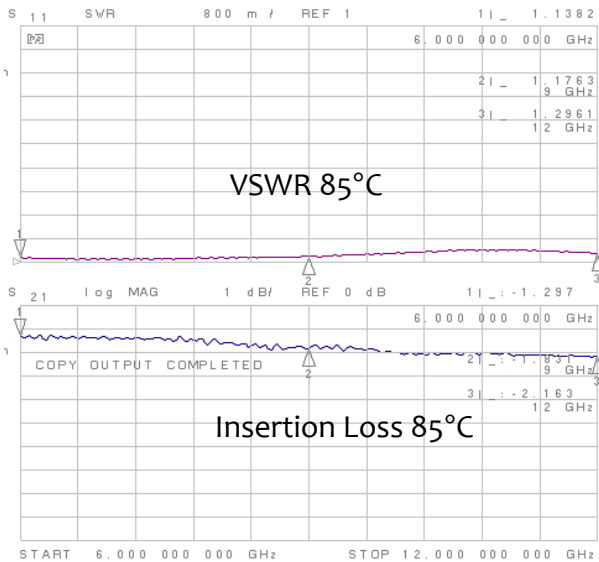
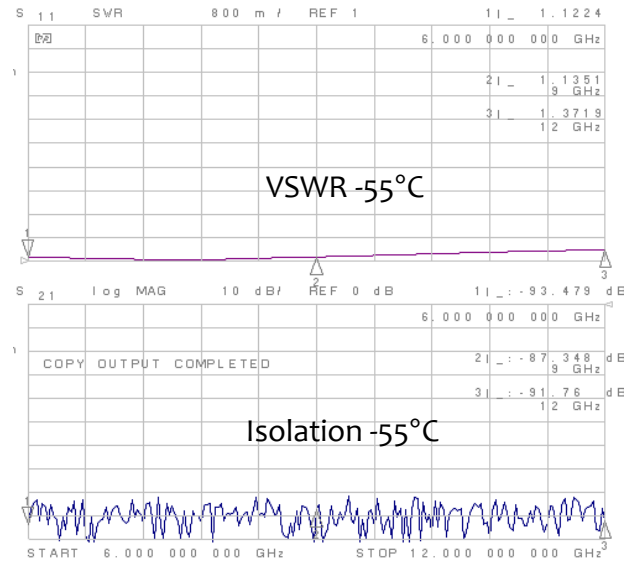
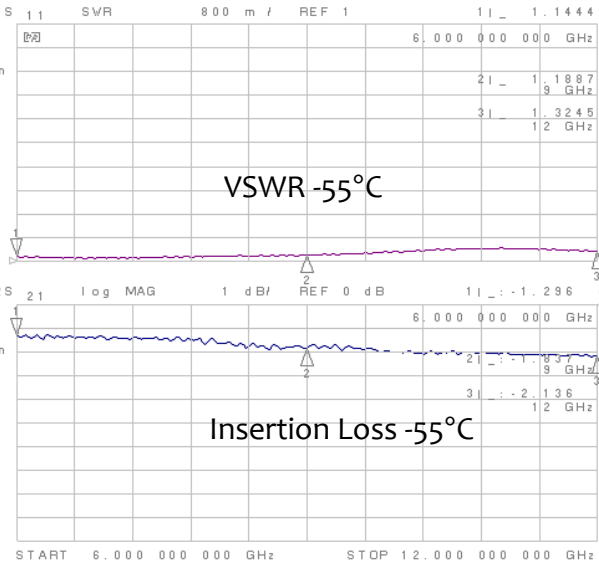
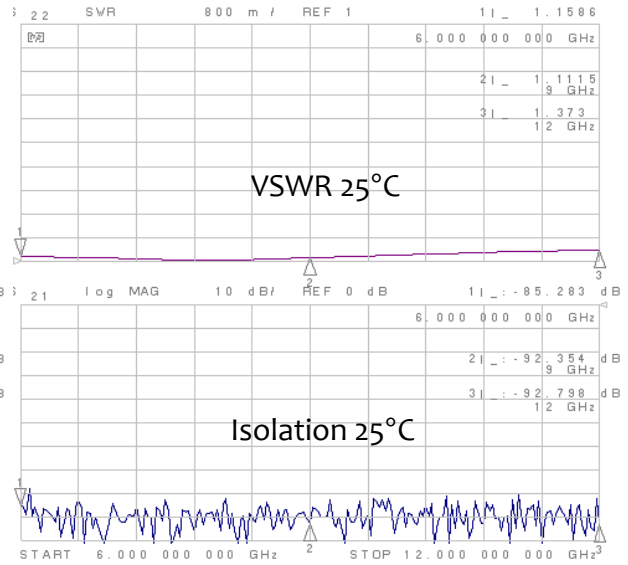
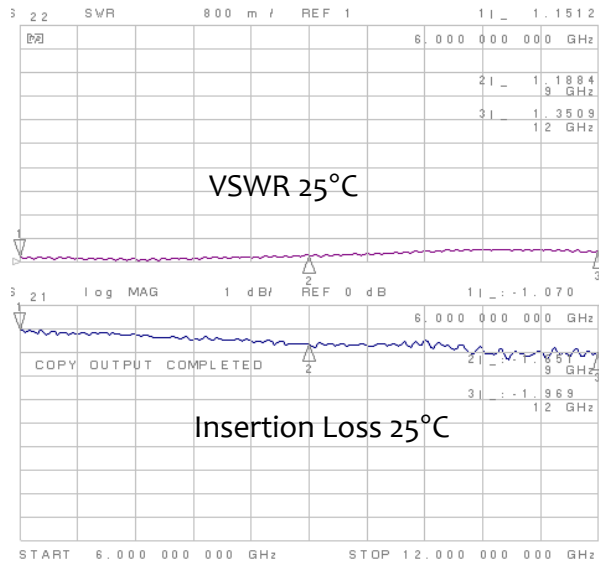


# RF-LAMBDA

The power beyond expectations

6-12GHz PIN SP2T

Absorptive / Reflective Coaxial Single Pole Double Throw Switch 6.0-12.0GHz



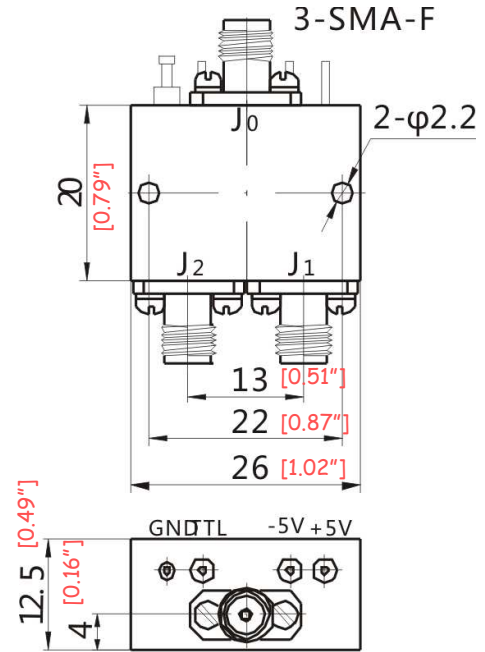
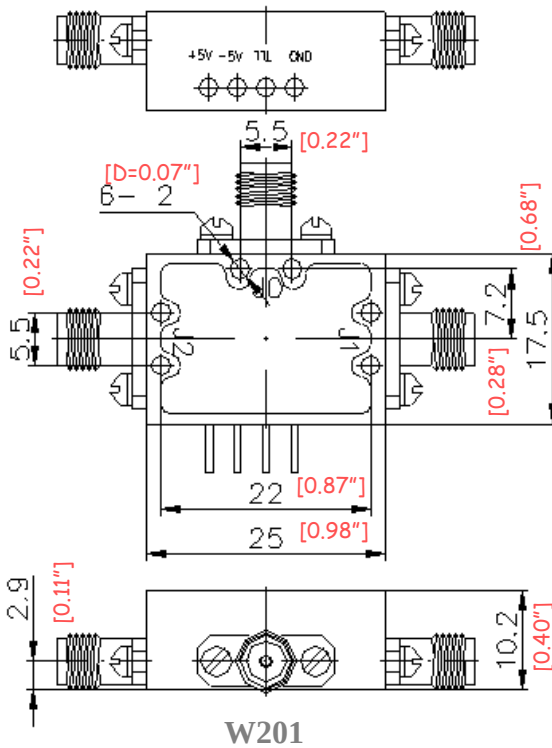


# RF-LAMBDA

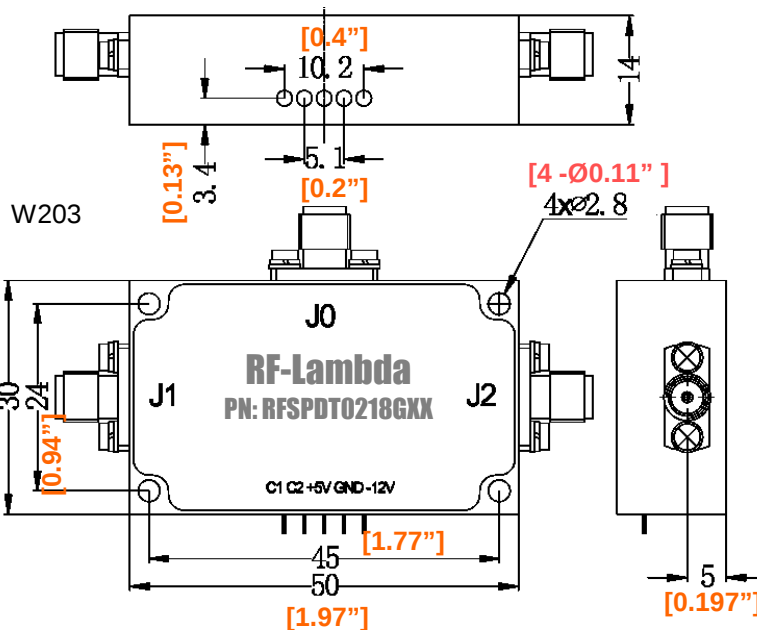
The power beyond expectations

6-12GHz PIN SP2T

Absorptive / Reflective Coaxial Single Pole Double Throw Switch 6.0-12.0GHz



W202



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.