



# RF-LAMBDA

The power beyond expectations

RFSPSTA0001GK

## Absorptive 0.02-1.0GHz Coaxial SPST

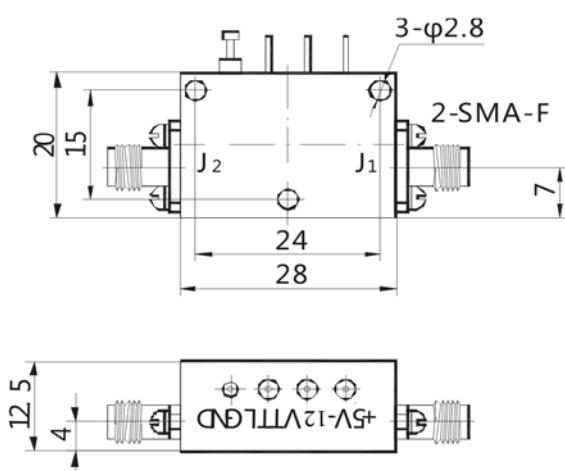


### Features

- Wide Band Operation 0.02-1.0GHz
- High Power Handle Capability up to 1W 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 SPST- Single Pole Single Throw

Part Number	Frequency (GHz)	Insert. Loss (dB)	VSWR (Max:1)	Isolation min (dB)	Power (Watts)	Switching Speed (ns)
RFSPSTA0001GK	0.02-1.0	1.2	1.5	80	1W max.	100ns (>50MHz) 500ns (<50MHz)



### Mechanical Specification

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: (3) 0.11" dia through holes

### Electrical Operation

DC Biasing:  
+5.0V (+/-0.5V 30mA max.)  
-12.0V (+/-0.5V 30mA max.)

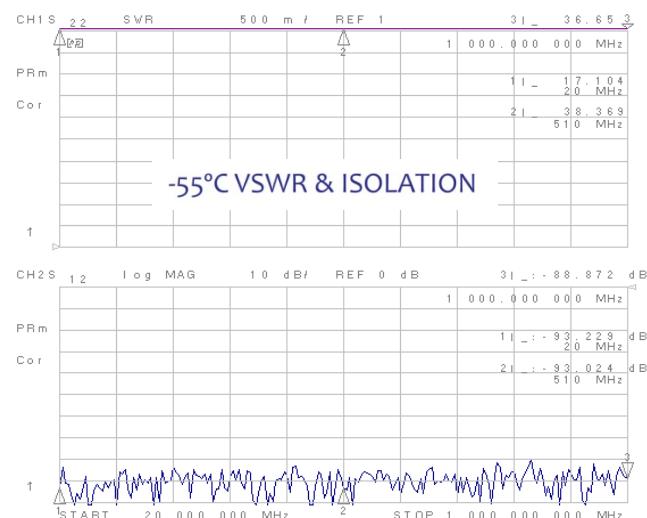
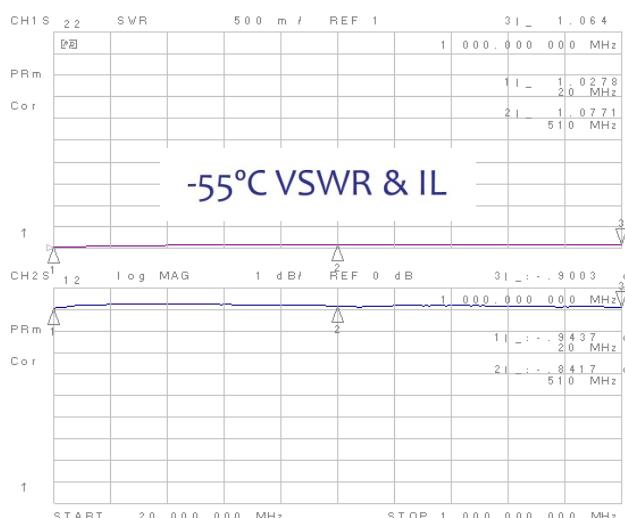
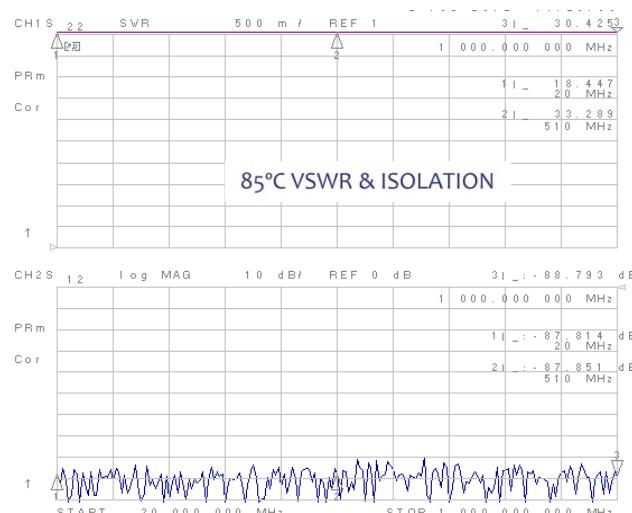
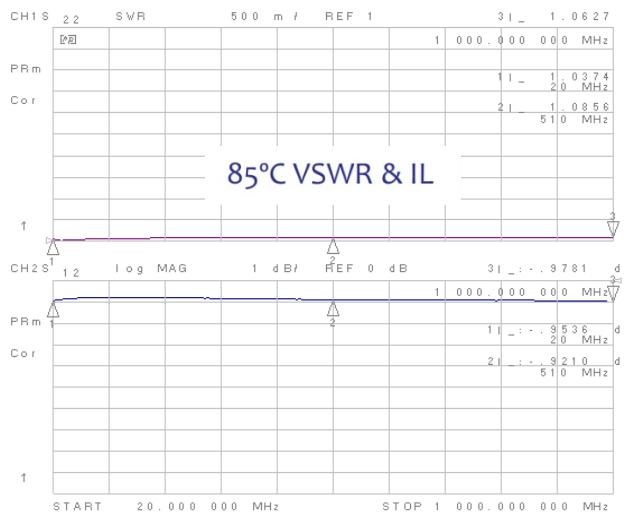
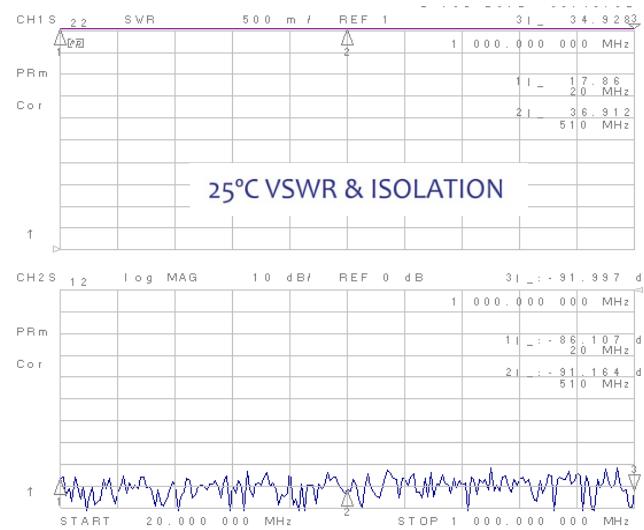
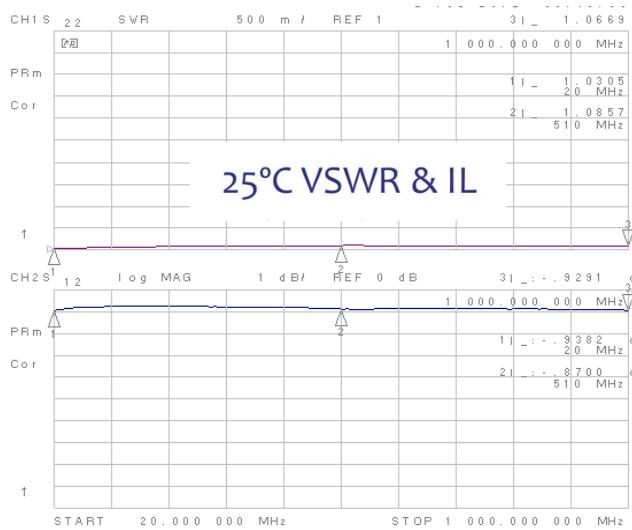
High Voltage Biasing is required for high RF power model.

TTL Logic Control:  
"0"→ON, "1"→OFF, 3.6V<"1"<5V  
Power Handle: 0.2W~50W (upon request)

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.





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Absorptive Single Pole Single Throw Switch 0.02-1.0GHz

