

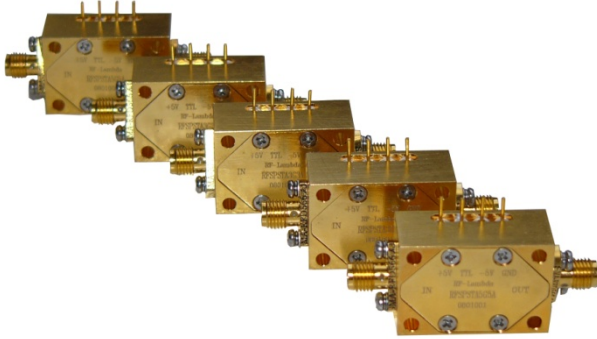


RF-LAMBDA

The power beyond expectations

1-20GHz PIN SPST

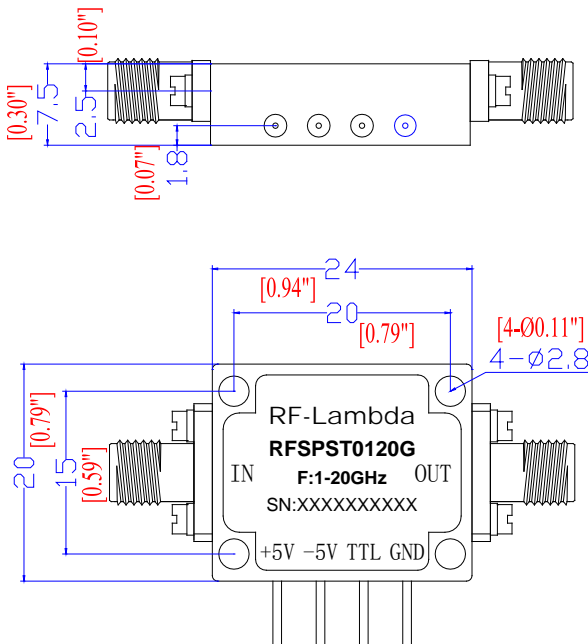
Absorptive and Reflective 1-20GHz Coaxial SPST



Features

- Wide Band Operation 1-20GHz
- High Power Handle Capability up to 5W upon request.
- TTL compatible driver include
- Fast Switching Speed
- Low Insertion Loss and High Isolation
- Temperature Range -55°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)
RFSPSTA0120G	1-20	3.0 typ. 3.5 max	2.0	70	0.2W opt. 1W max.	50~100
Reflective SPST- Single Pole Single Throw						
Part Number	Frequency (GHz)	Insert. Loss (dB)	VSWR (Max:1)	Isolation min (dB)	Power (Watts)	Switching Speed (ns)
RFSPSTR0120G	1-20	2.7 typ. 3.0 max	2.0	70	0.5~5.0	100~500



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: (4 / 6) 0.1" 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:
1 OFF
0 J0->J1

Power Handle: 0.2W~5W (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.

Absorptive / Reflective Coaxial Single Pole Single Throw Switch 1-20GHz



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