



Absorptive and Reflective 2-20GHz Coaxial SP5T



Features

- Wide Band Operation 2-20GHz
- 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 SP5T- Single Pole Five Throw

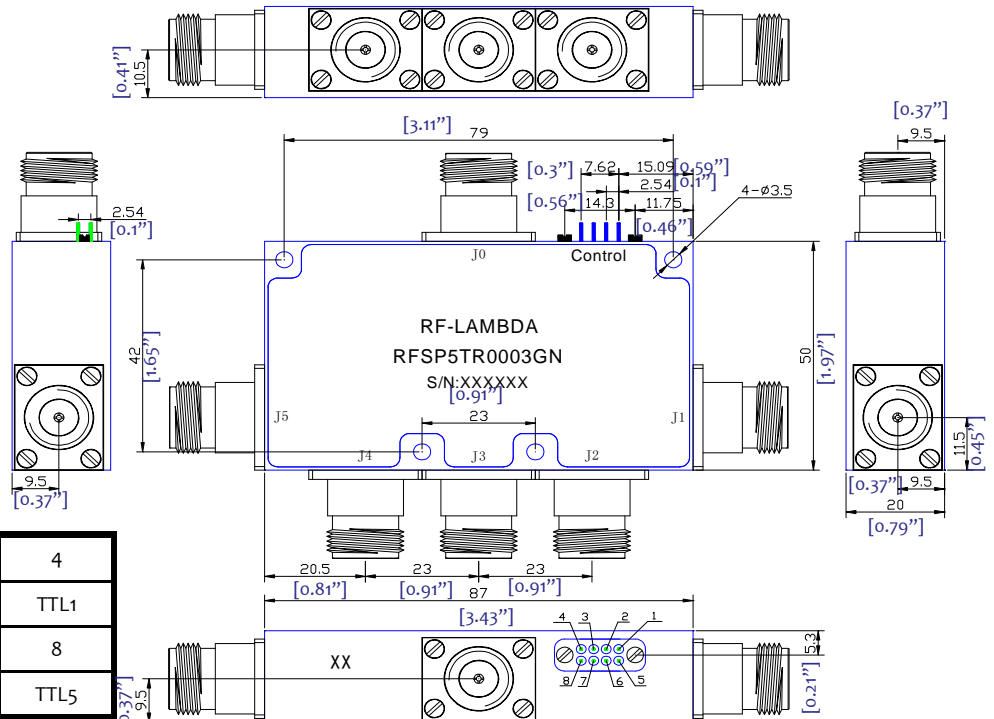
Part Number	Frequency (GHz)	Insert. Loss (dB)	VSWR (Max:1)	Isolation min (dB)	Power (Watts)	Switching Speed (ns)
RFSP5TA0220G	2-20	3.9	2.2	60	0.2~1.0W	100

Reflective SP5T- Single Pole Five Throw

Part Number	Frequency (GHz)	Insert. Loss (dB)	VSWR (Max:1)	Isolation min (dB)	Power (Watts)	Switching Speed (ns)
RFSP5TR0220G	2-20	3.0	2.2	80	0.5~5W	100

Logic	Status
TTL1~TTL5 : 00001	J0-J1
TTL1~TTL5 : 00010	J0-J2
TTL1~TTL5 : 00100	J0-J3
TTL1~TTL5 : 01000	J0-J4
TTL1~TTL5 : 10000	J0-J5

PIN	1	2	3	4
	+5V	-12V	GND	TTL1
PIN	5	6	7	8
	TTL2	TTL3	TTL4	TTL5



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

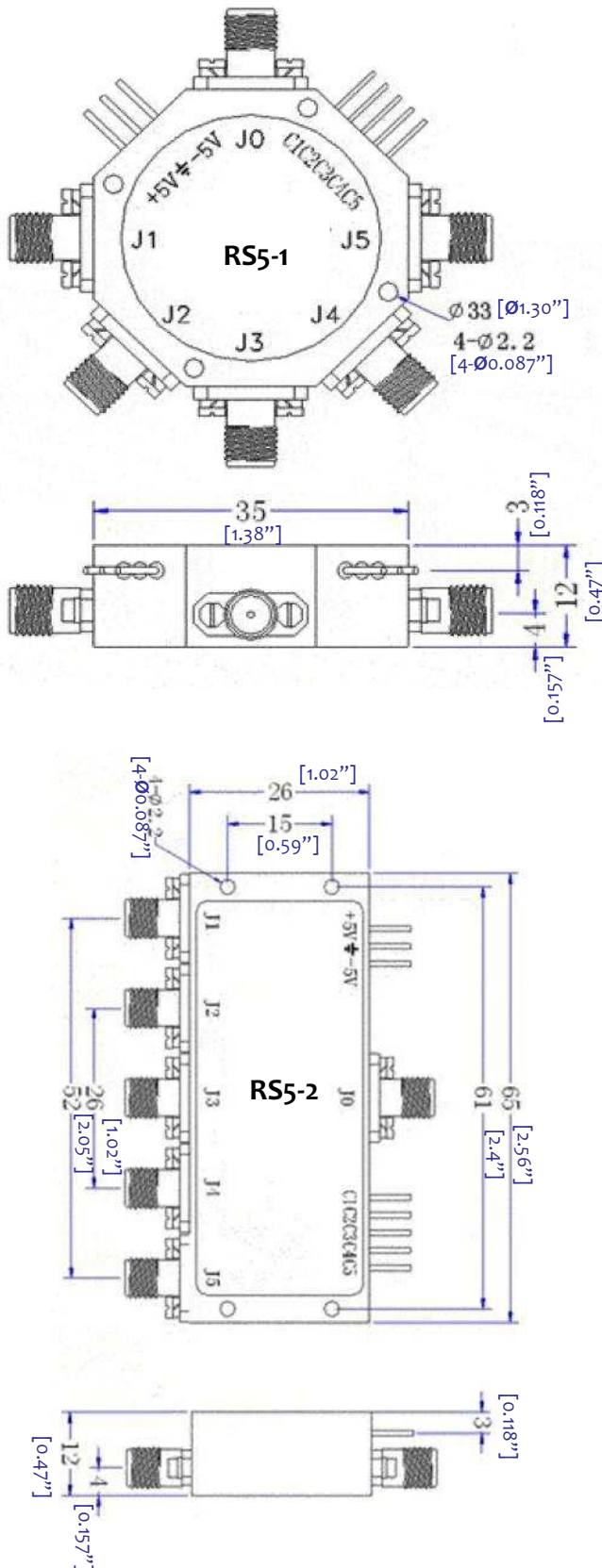


RF-LAMBDA

The power beyond expectations

2-20GHz PIN SP5T

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



Electrical Operation

DC Biasing: +5.0V (+/-0.5V 200mA max.)
-5.0V (+/-0.5V 50mA max.)

TTL Logic Control:

- Logic 0: Insertion Loss
- Logic 1: Isolation
- C1 Control J1-J0
- C2 Control J2-J0
- C3 Control J3-J0
- C4 Control J4-J0
- C5 Control J5-J0

Power Handle: 0.2W ~200W

Mechanical Specification

- Case Style: RS5-1 & RS5-2
- 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: 70 grams max.
- Mounting: (4) 0.085" dia through holes
- Material: Passivation for Aluminium material

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.