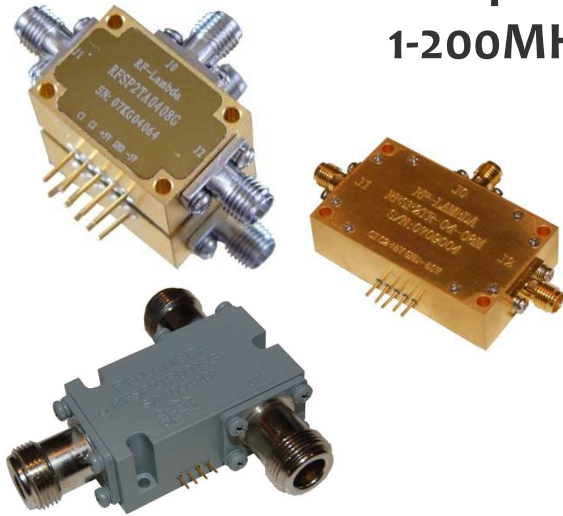




Absorptive and Reflective 1-200MHz Coaxial SP2T



Features

- Wide Band Operation 1-200MHz
- High Power Handle Capability up to 200W 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 (MHz)	Insert. Loss (dB)	VSWR (Max:1)	Isolation min (dB)	Avg. Power (Watts)	Switching Speed (ns)
RFSP2TA0002M	1-200	1.3	1.50	70	1~5	50~100
Reflective SP2T- Single Pole Double Throw						
Part Number	Frequency (MHz)	Insert. Loss (dB)	VSWR (Max:1)	Isolation min (dB)	Avg. Power (Watts)	Switching Speed (ns)
RFSP2TR0002M	1-200	0.8	1.80	70	1~200	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:

C1	C2	
0	0	OFF
0	1	J0->J1
1	0	J0->J2

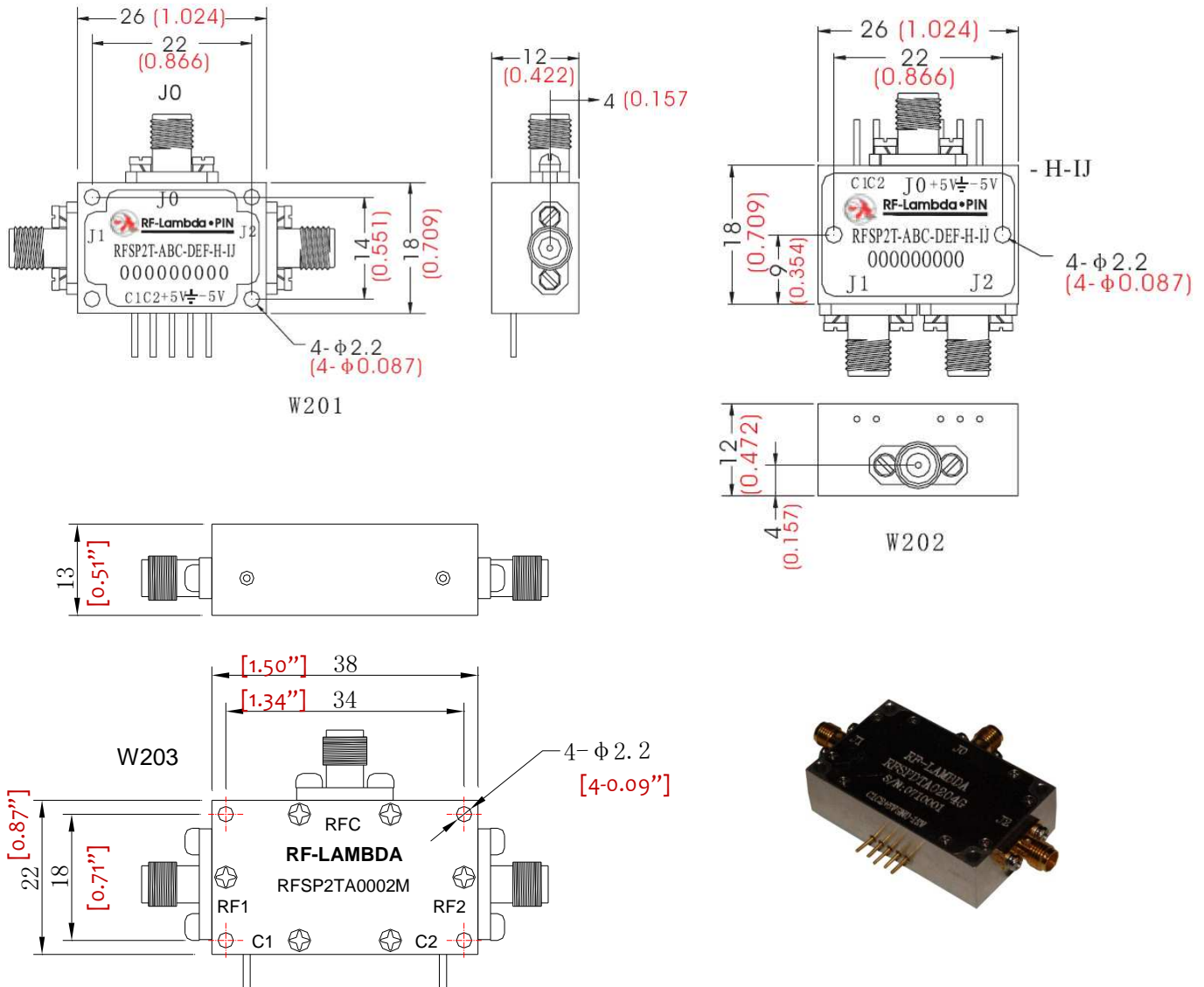
Power Handle: 0.2W~200W (upon request)



RF-LAMBDA

The power beyond expectations

1-200MHz PIN SP2T



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 Double Throw Switch 1-200MHz





RF-LAMBDA

The power beyond expectations

1-200MHz PIN SP2T

Absorptive / Reflective Coaxial Single Pole Double Throw Switch 1-200MHz

Freq (MHz)	Insertion Loss RFC and RF1/RF2 (dB)						
	1#	2#	3#	4#	5#	6#	7#
1	-0.3	-0.3	-0.3	-0.3	-0.3	-0.4	-0.3
5	-0.4	-0.4	-0.4	-0.3	-0.3	-0.3	-0.4
10	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
25	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3
50	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
75	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
100	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
125	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
150	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
175	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
200	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5

Freq (MHz)	Isolation Between RFC and RF1/RF2 (dB)						
	1#	2#	3#	4#	5#	6#	7#
1	-63	-70	-65	-63	-66	-61	-61
5	-65	-64	-64	-64	-61	-62	-63
10	-64	-61	-61	-63	-72	-66	-61
25	-60	-60	-61	-60	-61	-65	-60
50	-64	-61	-60	-63	-63	-62	-61
75	-61	-60	-65	-60	-60	-61	-63
100	-60	-62	-70	-65	-65	-62	-63
125	-60	-60	-65	-64	-64	-63	-63
150	-61	-64	-64	-61	-61	-62	-62
175	-60	-65	-63	-62	-62	-61	-61
200	-62	-62	-62	-64	-64	-62	-61

Freq (MHz)	RFC/RF2/RF2 Return Loss (dB)						
	1#	2#	3#	4#	5#	6#	7#
1	-24	-24	-24	-24	-23	-24	-24
5	-33	-34	-33	-33	-33	-33	-34
10	-36	-36	-35	-36	-36	-36	-37
25	-32	-32	-31	-31	-31	-31	-32
50	-31	-31	-30	-31	-31	-31	-31
75	-31	-32	-31	-31	-31	-32	-32
100	-31	-32	-31	-33	-31	-33	-33
125	-30	-32	-31	-33	-31	-33	-32
150	-30	-32	-31	-34	-31	-34	-33
175	-31	-33	-31	-35	-31	-35	-34
200	-29	-31	-29	-31	-30	-35	-32