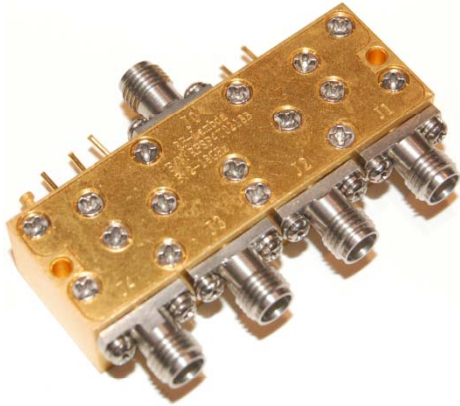




Absorptive and Reflective SP4T PIN Diode Switch



Features

- Wide Band Operation
- High Power up to 200W 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 SP4T Switch						
Part Number	Frequency (GHz)	Insert. Loss (dB)	VSWR (Max:1)	Isolation (dB)	Avg. Power (Watts)	Speed (ns)
RFSP4TA0002M	0.001~0.20	1.60	1.50	70	1~5	1000
RFSP4TA0000G	0.02~0.50	1.60	1.50	80	1~5	100~500
RFSP4TA0001G	0.02~1.0	1.70	1.50	70	1~5	100
RFSP4TA0102G	1.0~2.0	1.40	1.50	80	0.2~1	50
RFSP4TA0003G	0.02~3.0	2.70	1.70	60	0.2~1	50
RFSP4TA0004G	0.5~4.0	2.00	1.50	60	0.2~1	50
RFSP4TA0204G	2~4	1.80	1.50	80	0.2~1	50
RFSP4TA0208G	2~8	2.40	2.00	60	0.2~1	50
RFSP4TA0612G	6~12	3.00	2.00	60	0.2~1	50
RFSP4TA0618G	6~18	3.80	2.00	60	0.5	50
Reflective SP4T Switch						
Part Number	Frequency (GHz)	Insert. Loss (dB)	VSWR (Max:1)	Isolation (dB)	Avg. Power (Watts)	Speed (ns)
RFSP4TR0002M	0.001~0.20	1.30	1.5	70	1~200	1000
RFSP4TR0000G	0.02~0.50	1.50	1.50	80	1~200	100~500
RFSP4TR0001G	0.02~1.0	1.40	1.50	70	1~100	100
RFSP4TR0102G	1.0~2.0	1.20	1.50	80	1~100	50
RFSP4TR0204G	2~4	1.40	1.50	80	1~50	50
RFSP4TR0812G	8~12	2.10	1.70	60	1~50	50
RFSP4TR0003G	0.02~3.0	2.40	1.70	60	1~50	100
RFSP4TR0004G	0.5~4.0	1.80	1.50	60	1~30	50
RFSP4TR0208G	2~8	2.20	2.00	60	1~5	50
RFSP4TR0612G	6~12	2.90	2.00	60	1~5	50
RFSP4TR0618G	6~18	3.40	2.00	50	1~5	50

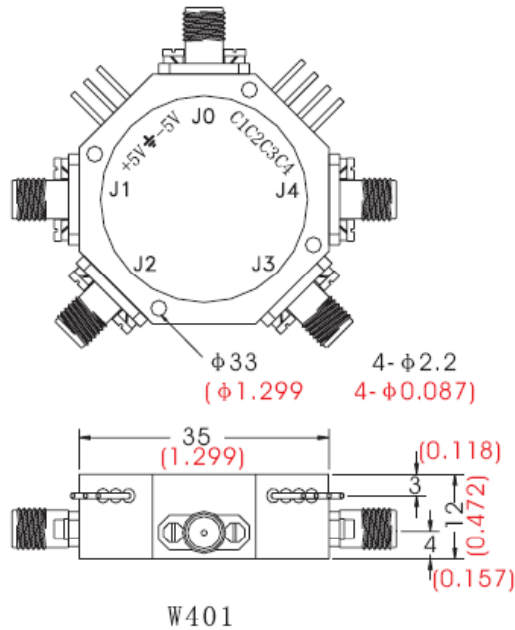


RF-LAMBDA

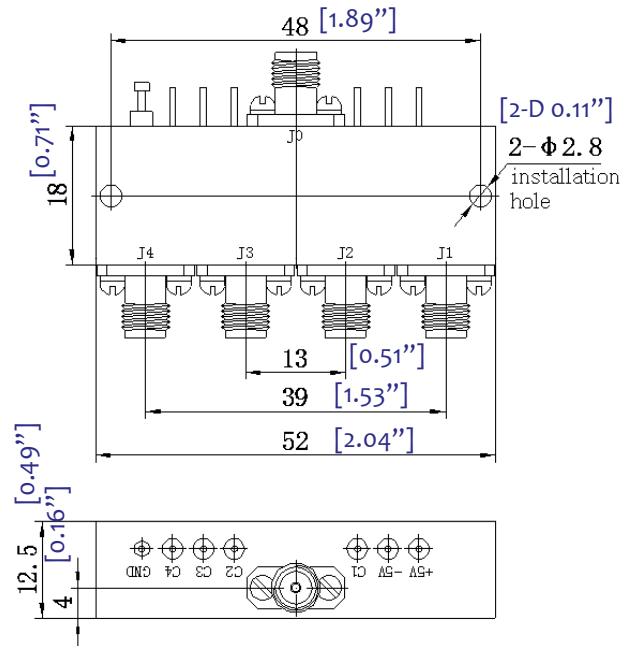
The power beyond expectations

SP4T PIN Diode Switch

Absorptive / Reflective Coaxial Single Pole Four Throw Switch



W401



W403



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:

"0" → ON,

"1" → OFF, 3

.6V < "1" < 5V

C4	C3	C2	C1	
1	1	1	0	J1
1	1	0	1	J2
1	0	1	1	J3
0	1	1	1	J4

Mechanical Specification

Case Style: W401 & W402 & W403

Finishing: Gold plating for brass material
Other finishing available

Connector: SMA-F Per MIL-C-39012

Control PIN: 0.02" diameter x 0.15" solder pins

Weight: 50 grams max.

Mounting: (4) 0.1" dia through holes

Material: Passivation for Aluminum 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.