Absorptive and Reflective SP3T PIN Diode Switch

Features

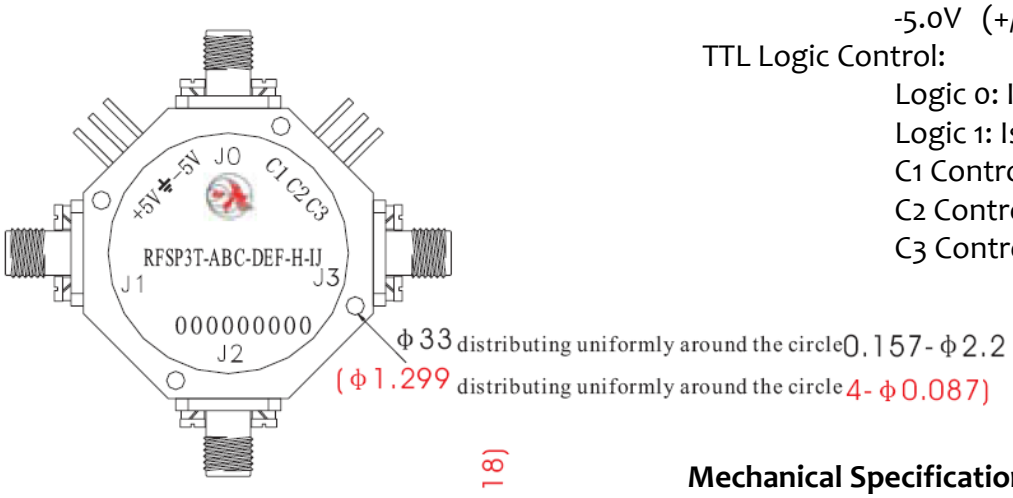
- Wide Band Operation
- High Power up to 200W upon request.
- TTL compatible driver include
- Fast Switching Speed
- Low Insertion Loss and High Isolation
- Temperature Range -55°C~+85°C
- Customization available upon request

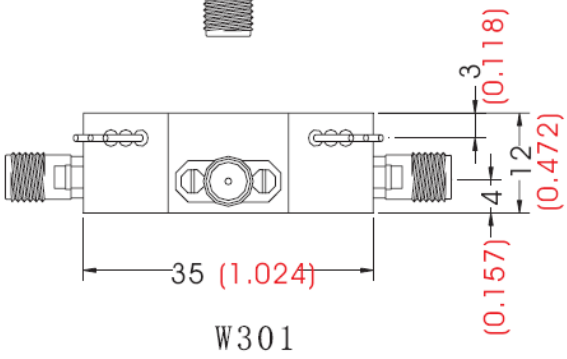
SP3T Absorptive Type Switch						
Part Number	**Frequency (GHz)**	**Insert. Loss (dB)**	**VSWR (Max:1)**	**Isolation (dB)**	**Avg. Power (Watts)**	**Switching Speed (ns)**
RFSP3TA0002M	0.001~0.2	1.50	1.50	70	1~5	1000
RFSP3TA0001G	0.02~1	1.60	1.50	70	1~5	100
RFSP3TA0102G	1~2	1.40	1.50	80	1~5	50
RFSP3TA0003G	0.02~3	2.50	1.70	60	1~5	100
RFSP3TA0004G	0.5~4	1.70	1.50	60	1~5	50
RFSP3TA0204G	2~4	1.80	1.50	80	1~5	50
RFSP3TA0208G	2~8	2.20	2.00	60	1~5	50
RFSP3TA0612G	6~12	2.70	2.00	60	1~5	50
RFSP3TA0218B	2~18	3.60	2.20	60	0.5	50
RFSP3TR0618G	6~18	3.50	2.00	60	0.5	50
SP3T Reflective Type Switch						
Part Number	**Frequency (GHz)**	**Insert. Loss (dB)**	**VSWR (Max:1)**	**Isolation (dB)**	**Avg. Power (Watts)**	**Switching Speed (ns)**
RFSP3TR0002M	0.001~0.2	1.00	1.50	70	1~200	1000
RFSP3TR0001G	0.02~1	1.20	1.50	70	1~100	100
RFSP3TR0102G	1~2	1.20	1.50	80	1~60	50
RFSP3TR0003G	0.02~3	2.20	1.70	60	1~30	100
RFSP3TR0004G	0.5~4	1.50	1.50	60	1~30	50
RFSP3TR0208G	2~8	2.00	2.00	60	1~10	50
RFSP3TR0612G	6~12	2.70	2.00	60	1	50
RFSP3TR0218G	2~18	3.20	2.20	60	0.5	50

Electrical Operation

DC Biasing: +5.0V (+/-0.5V 120mA 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

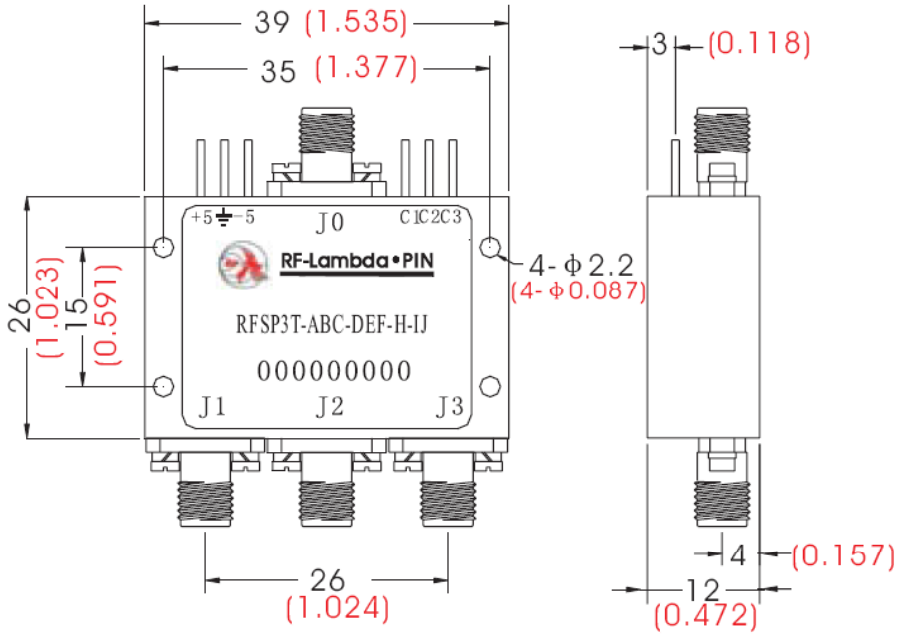




W301

Mechanical Specification

Case Style:	W301 & W302
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:	35 grams max.
Mounting:	(4) 0.1" dia through holes
Material:	Passivation for Aluminum material



W302

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.