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ISSUE 22-03-22

SERIE : SPDT

PART NUMBER : R570412000LP

RF CHARACTERISTICS

Frequency range : **0 - 18 GHz**
 Impedance : **50 Ohms**

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18
VSWR max	1.10	1.20	1.20	1.40
Insertion loss max	0.15 dB	0.20 dB	0.25 dB	0.35 dB
Isolation min	80 dB	75 dB	65 dB	60 dB
Average power (*)	240 W	150 W	120 W	100 W

Passive intermodulation	
Tone 1	1810 MHz, approximately 43 dBm
Tone 2	1850 MHz, approximately 43 dBm
3 rd order PIM	- 160 dBc at 1770 MHz

Depending on application, carrier powers and frequencies, PIM measurements can vary.
 PIM testing is not measured during product acceptance test.

ELECTRICAL CHARACTERISTICS

Actuator : **FAILSAFE**
 Nominal current ** : **250 mA**
 Actuator voltage (Vcc) : **12V (10.2 to 13V)**
 Terminals : **solder pins (250°C max. / 30 sec.)**

MECHANICAL CHARACTERISTICS

Connectors***** : **SMA female per MIL-C 39012**
 Life : **2 million cycles**
 Switching Time*** : **< 10 ms**
 Construction : **Splashproof**
 Weight : **< 45 g**

ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : **-25°C to +70°C**
 Storage temperature range : **-55°C to +85°C**

- (* Average power at 25°C per RF Path)
- (** At 25° C ±10%)
- (*** Nominal voltage ; 25° C)
- (***** Recommended mating torque: 80-120 N.cm)



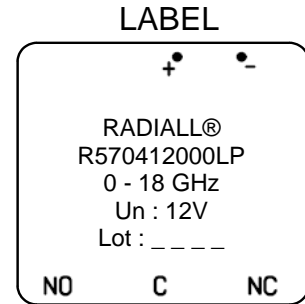
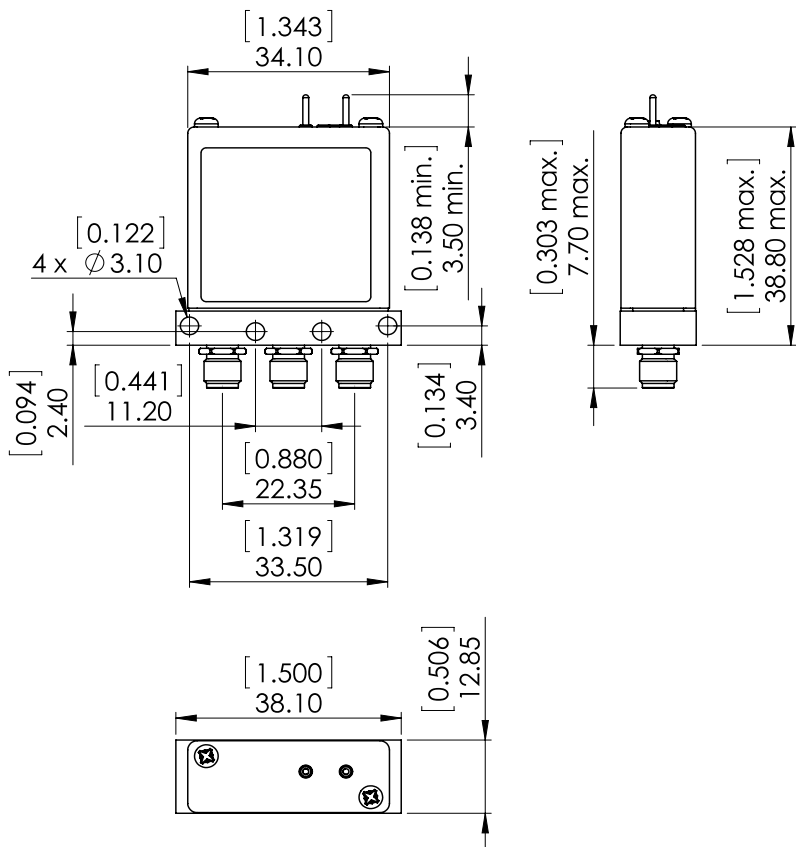
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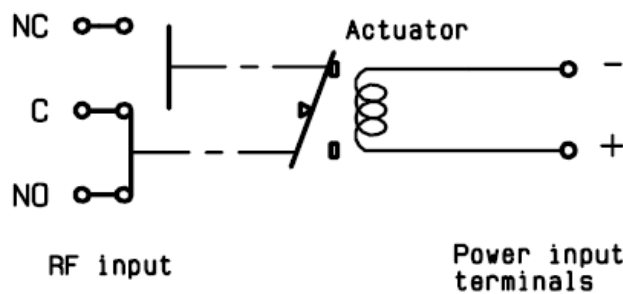
DRAWING



General tolerances : ±0,5 mm [0,02 in]

SCHEMATIC DIAGRAM

Position Energized :



Voltage	RF Continuity
De-energized	C ↔ NC
energized	C ↔ NO