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ISSUE 22-03-22

SERIE : SPDT

PART NUMBER : R570412030LP

## 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 <sup>rd</sup> 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

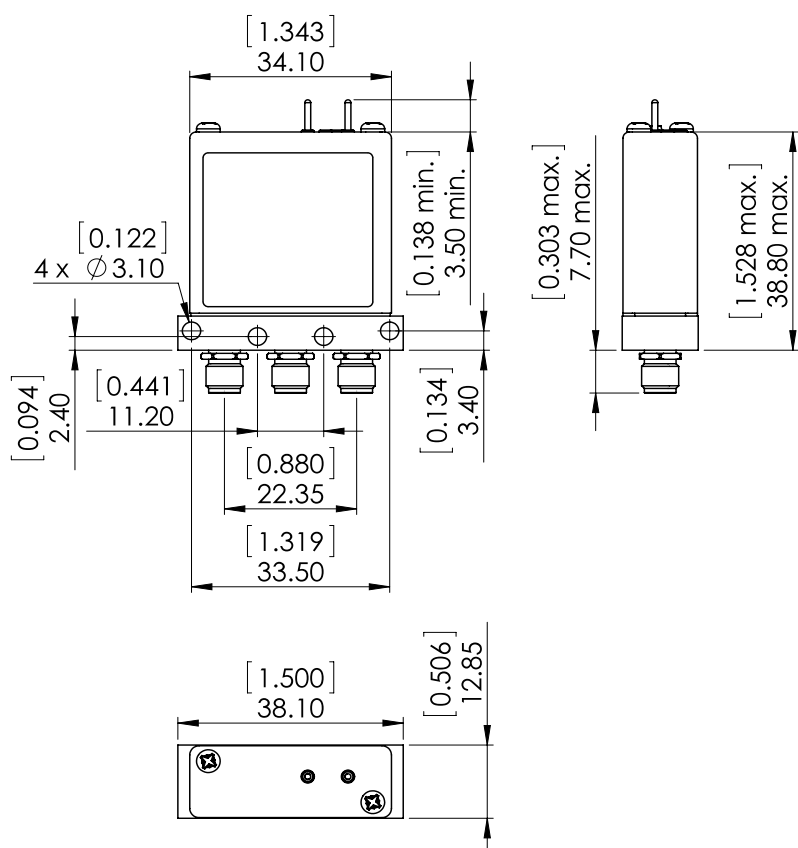
Connectors\*\*\*\*\* : SMA female per MIL-C 39012  
Life : 2 million cycles  
Switching Time\*\*\* : < 10 ms  
Construction : Splashproof  
Weight : < 45 g

## ENVIRONMENTAL CHARACTERISTICS

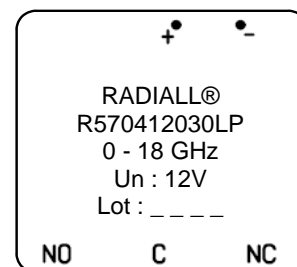
Operating temperature range : -25°C to +70°C  
Storage temperature range : -55°C to +85°C

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



DRAWING

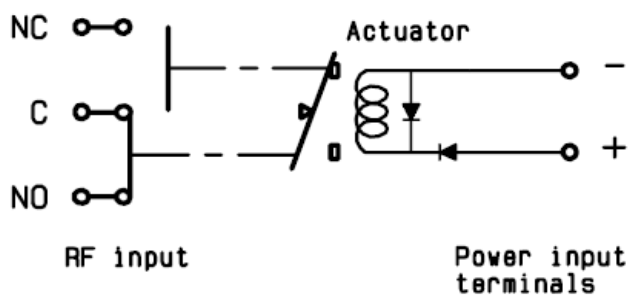
**LABEL**



General tolerances :  $\pm 0,5$  mm [0,02 in]

SCHEMATIC DIAGRAM

**Position Energized :**



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

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