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ISSUE 17.12.2013

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 : 2.000.000 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)



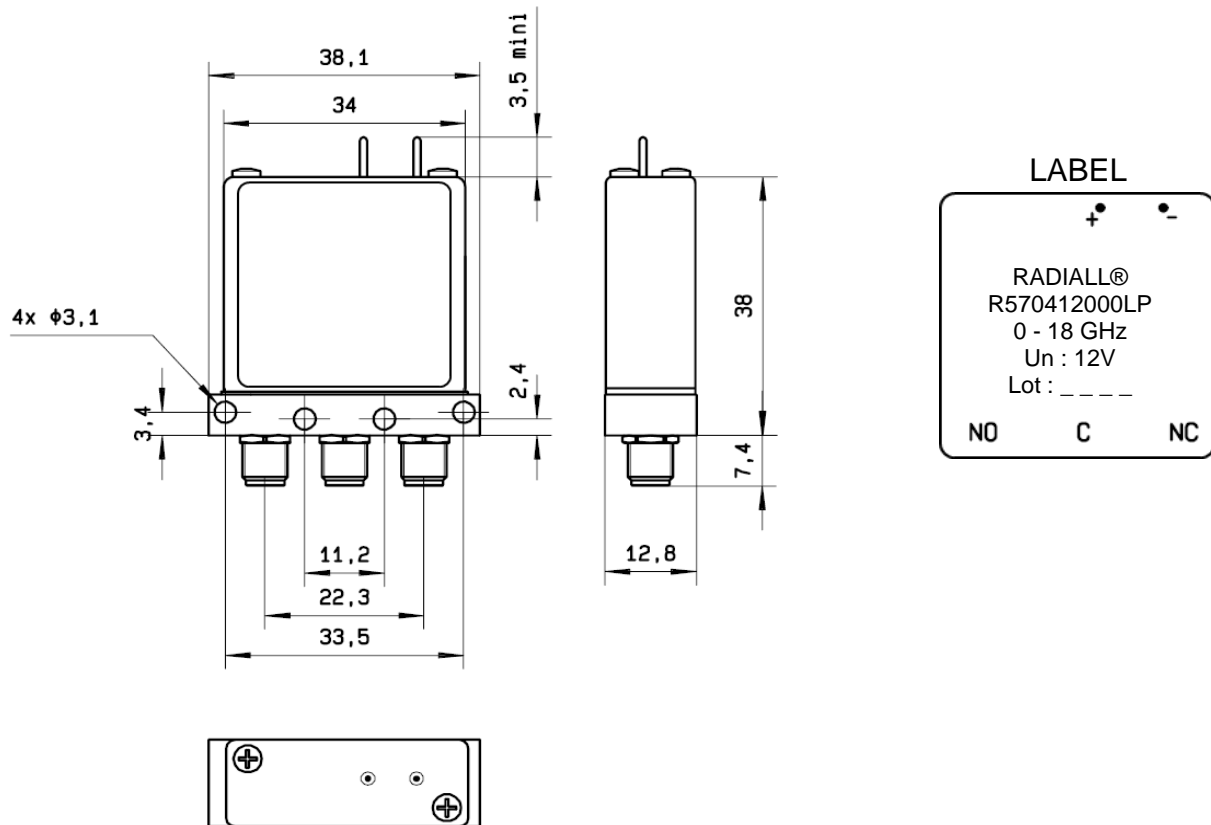
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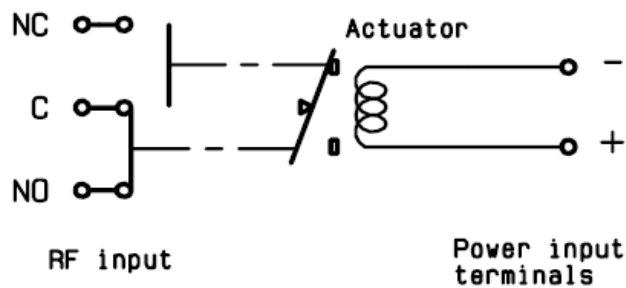
DRAWING



General tolerances : ± 0.5 mm

SCHEMATIC DIAGRAM

Position Energized :



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