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ISSUE 22-03-22

SERIE : SPDT

PART NUMBER : R570442000

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 |

ELECTRICAL CHARACTERISTICS

Actuator : **LATCHING**
 Nominal current ** : **210 mA**
 Actuator voltage (Vcc) : **12V (10.2 to 13V) / NEGATIVE COMMON**
 Terminals : **solder pins (250°C max. / 30 sec.)**
 Indicator rating : **1 W / 30 V / 100 mA**

MECHANICAL CHARACTERISTICS

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

ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : **-40°C to +85°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)



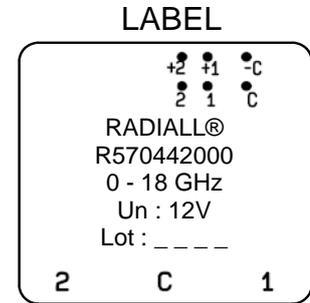
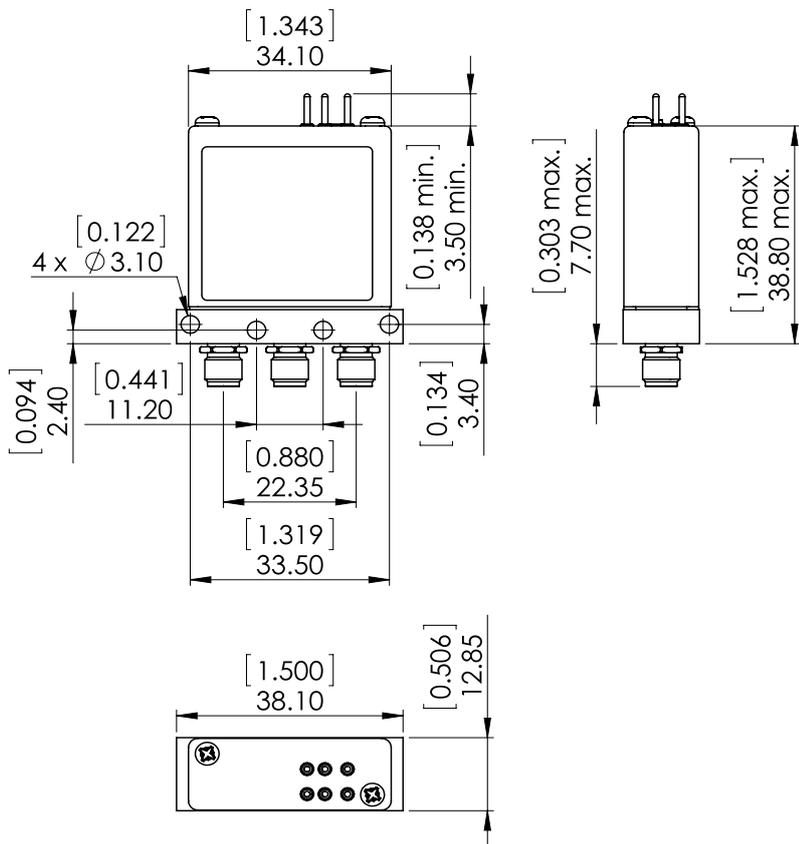
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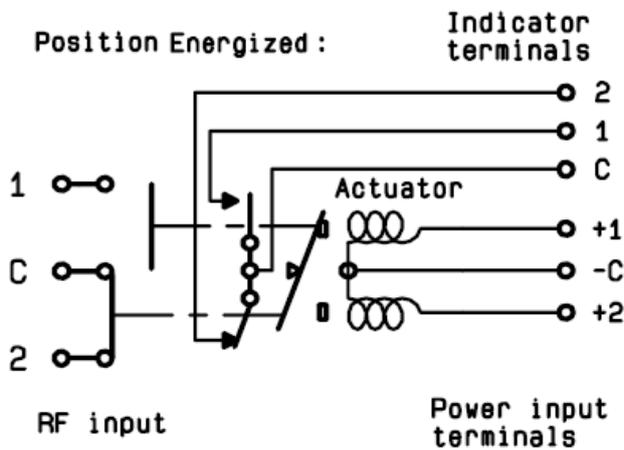
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DRAWING



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

SCHEMATIC DIAGRAM



| Voltage | RF Continuity | Ind. |
|---------|---------------|------|
| -C +1 | C ↔ 1 | C.1 |
| -C +2 | C ↔ 2 | C.2 |