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ISSUE **22-03-22**

SERIE : **SPDT**

PART NUMBER : **R570412100**

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 : **FAILSAFE**
Nominal current ** : **250 mA**
Actuator voltage (Vcc) : **12V (10.2 to 13V)**
Terminals : **solder pins (250°C max. / 30 sec.)**
TTL inputs (E) : **2.2 to 5.5 V / 800µA at 5.5 V**
- High level : **0 to 0.8 V / 20µA at 0.8 V**
- Low level

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)



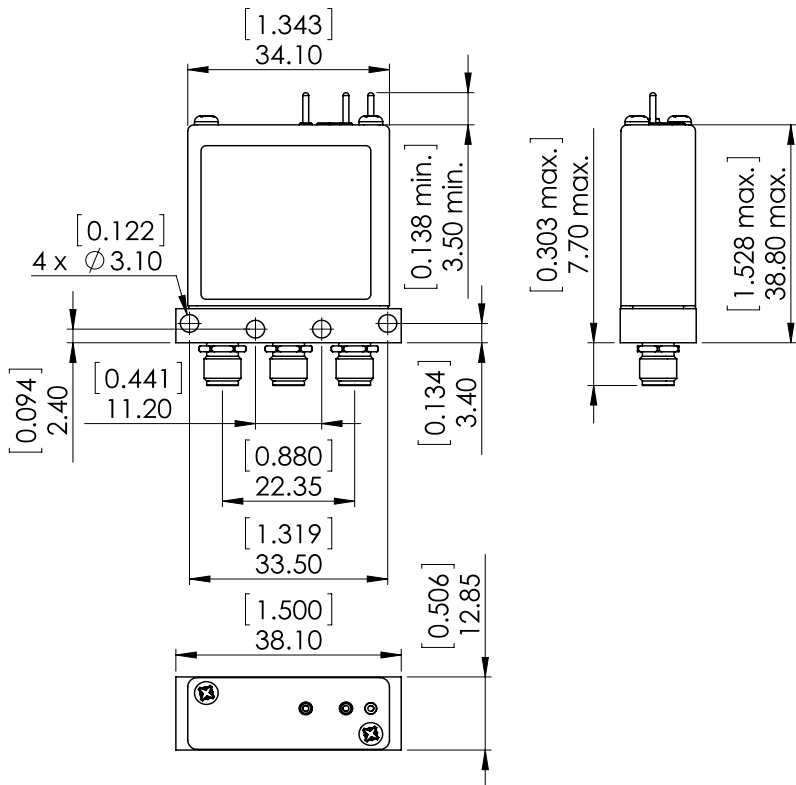
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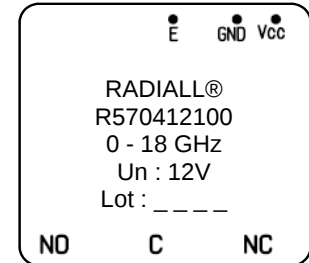
SERIE : SPDT

PART NUMBER : **R570412100**

DRAWING



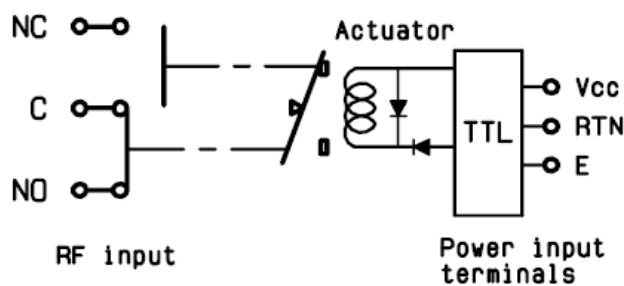
LABEL



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

SCHEMATIC DIAGRAM

Position Energized :



TTL input	RF Continuity
E = 0	C ↔ NC
E = 1	C ↔ NO