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ISSUE **11-04-17**

SERIE : **SPDT**

PART NUMBER : **R570312100**

## RF CHARACTERISTICS

Frequency range : **0 - 3 GHz**  
Impedance : **50 Ohms**

| Frequency (GHz)    | DC - 3         |
|--------------------|----------------|
| VSWR max           | <b>1.10</b>    |
| Insertion loss max | <b>0.15 dB</b> |
| Isolation min      | <b>80 dB</b>   |
| Average power (*)  | <b>240 W</b>   |

## 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) - High level : **2.2 to 5.5 V / 800µA at 5.5 V**  
- Low level : **0 to 0.8 V / 20µA at 0.8 V**

## 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)



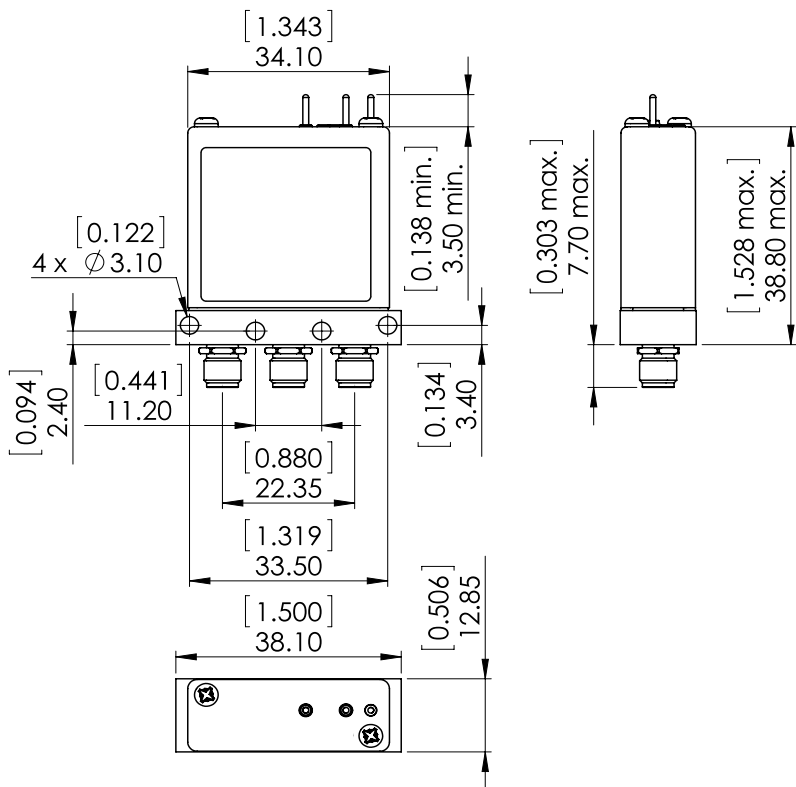
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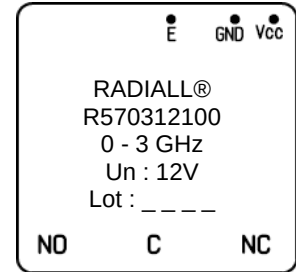
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DRAWING



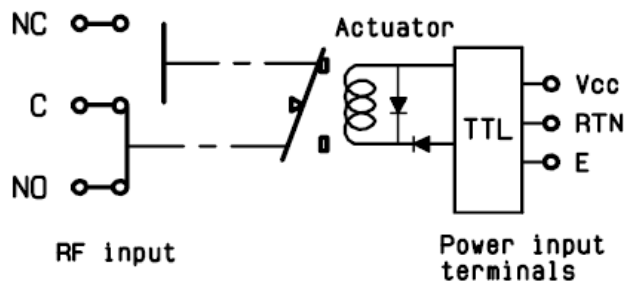
**LABEL**



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        |