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SERIE : SPDT

PART NUMBER : R570D13100

RF CHARACTERISTICS

Frequency range : **0 - 18 GHz**
 Impedance : **50 Ohms**

| Frequency (GHz) | DC - 6 | 6 - 12.4 | 12.4 - 18 |
|--------------------|----------------|----------------|----------------|
| VSWR max | 1.30 | 1.50 | 1.60 |
| Insertion loss max | 0.30 dB | 0.50 dB | 0.70 dB |
| Isolation min | 70 dB | 60 dB | 60 dB |
| Average power (*) | 285 W | 200 W | 165 W |

ELECTRICAL CHARACTERISTICS

Actuator : **FAILSAFE**
 Nominal current ** : **140 mA**
 Actuator voltage (Vcc) : **28V (24 to 30V)**
 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 : **TNC female per MIL-C 39012**
 Life : **2.5 million cycles**
 Switching Time*** : **< 15 ms**
 Construction : **Splashproof**
 Weight : **< 185 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)



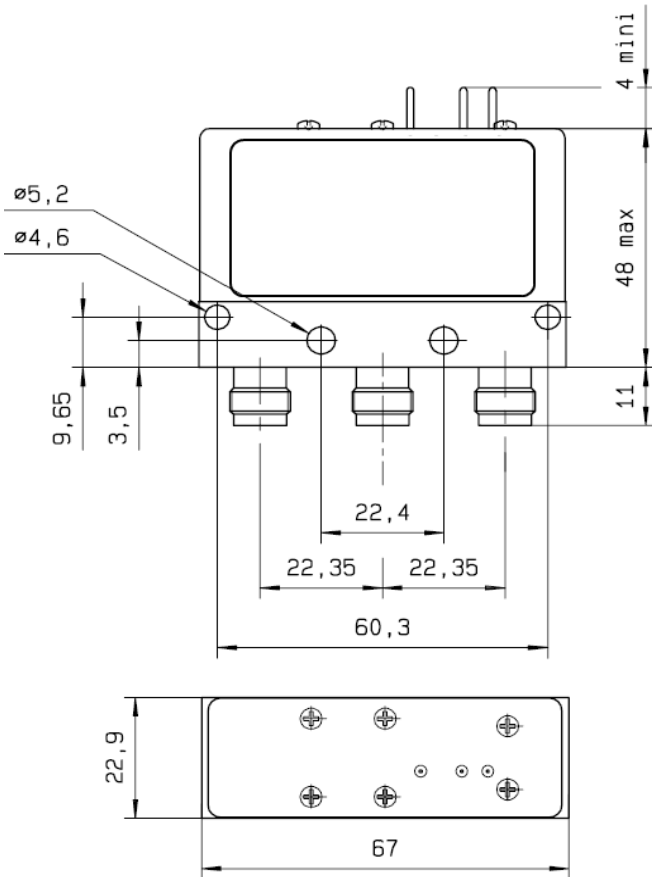
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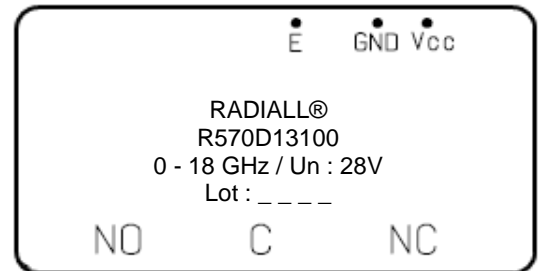
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DRAWING



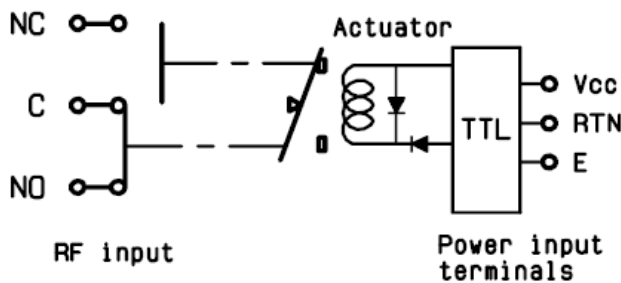
LABEL



General tolerances : ±0,5 mm [0,02 in]

SCHEMATIC DIAGRAM

Position Energized :



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