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ISSUE 22-03-22

SERIE : SPDT

PART NUMBER : R570D33100

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 : LATCHING
Nominal current ** : 125 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)



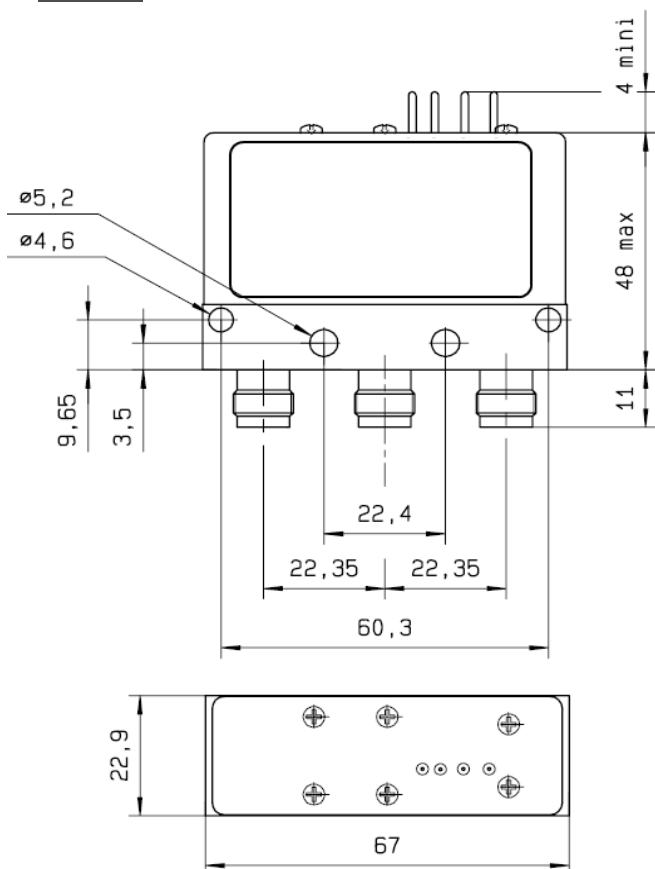
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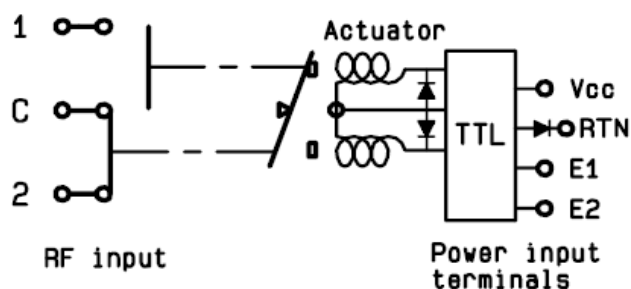
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DRAWING

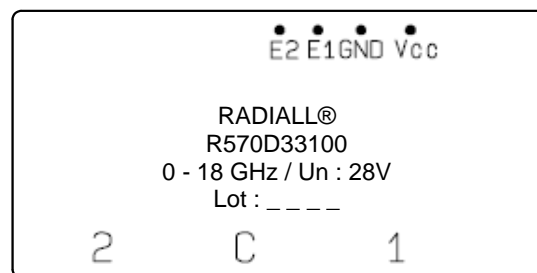


General tolerances : $\pm 0,5$ mm [0,02 in]

SCHEMATIC DIAGRAM



LABEL



| TTL input | RF Continuity |
|-------------|---------------|
| E1=1 / E2=0 | C ↔ 1 |
| E1=0 / E2=1 | C ↔ 2 |
| E1=0 / E2=0 | Memory |
| E1=1 / E2=1 | Forbidden |