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ISSUE 22-03-22

SERIE : SPDT

PART NUMBER : R570632100

## RF CHARACTERISTICS

Frequency range : 0 - 12.4 GHz  
Impedance : 50 Ohms

| Frequency (GHz)    | DC - 1  | 1 - 2   | 2 - 3   | 3 - 8   | 8 - 12.4 |
|--------------------|---------|---------|---------|---------|----------|
| VSWR max           | 1.15    | 1.20    | 1.25    | 1.35    | 1.50     |
| Insertion loss max | 0.15 dB | 0.20 dB | 0.25 dB | 0.35 dB | 0.50 dB  |
| Isolation min      | 85 dB   | 80 dB   | 75 dB   | 70 dB   | 60 dB    |
| Average power (*)  | 700 W   | 500 W   | 400 W   | 250 W   | 200 W    |

## ELECTRICAL CHARACTERISTICS

Actuator : LATCHING  
Nominal current \*\* : 320 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 : 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)



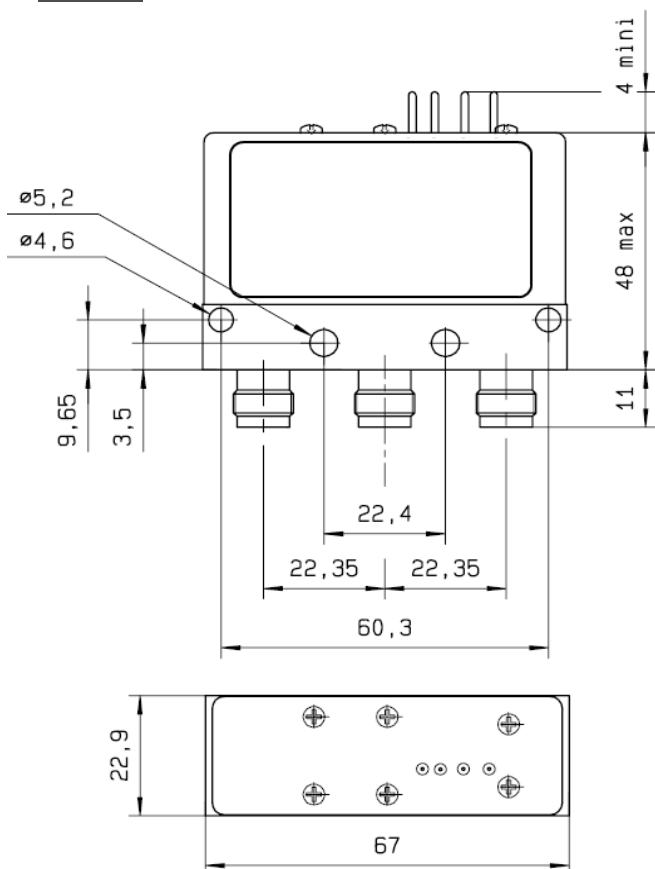
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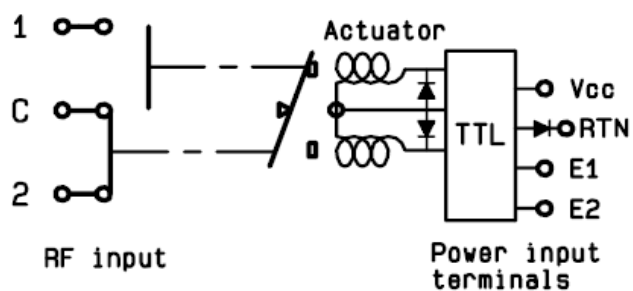
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DRAWING

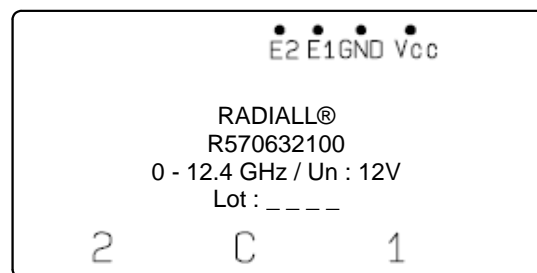


General tolerances :  $\pm 0,5$  mm [0,02 in]

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     |