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ISSUE 22-03-22

SERIE : SPDT

PART NUMBER : R570612030

## 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 : FAILSAFE  
Nominal current \*\* : 320 mA  
Actuator voltage (Vcc) : 12V (10.2 to 13V)  
Terminals : solder pins (250°C max. / 30 sec.)

## 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)



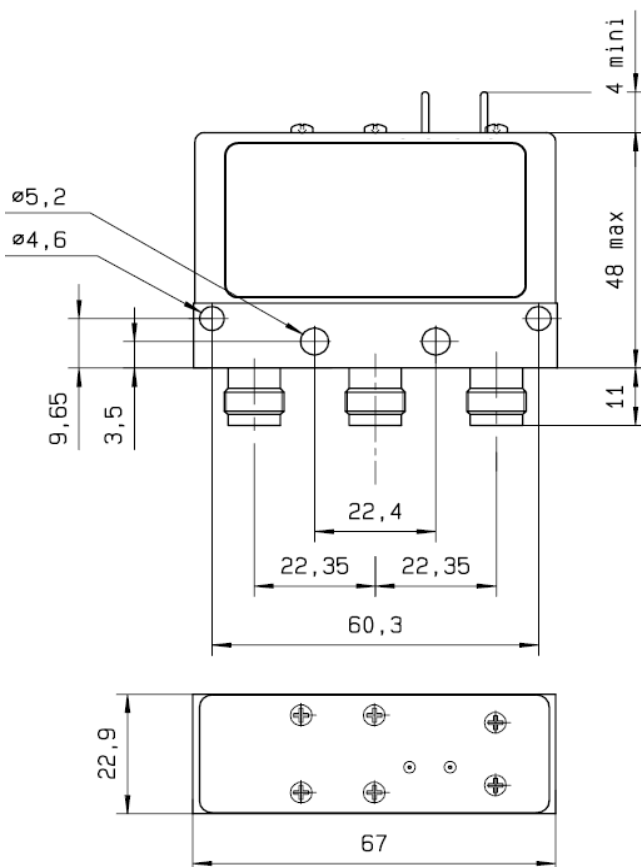
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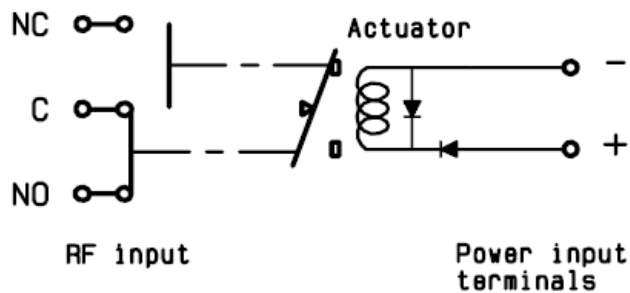
DRAWING



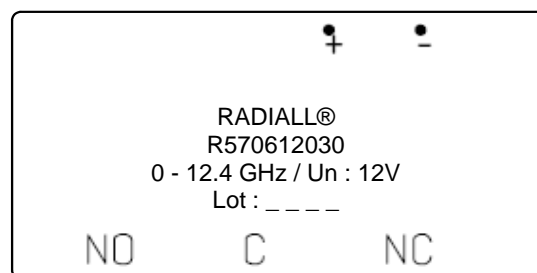
General tolerances :  $\pm 0,5$  mm [0,02 in]

SCHEMATIC DIAGRAM

**Position Energized :**



**LABEL**



| Voltage      | RF Continuity |
|--------------|---------------|
| De-energized | C ↔ NC        |
| energized    | C ↔ NO        |