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ISSUE 16.06.13

SERIE : SPDT

PART NUMBER : R570E52010

## RF CHARACTERISTICS

Frequency range : 0 - 6 GHz  
Impedance : 50 Ohms

| Frequency (GHz)    | DC - 3  | 3 - 6   |
|--------------------|---------|---------|
| VSWR max           | 1.20    | 1.30    |
| Insertion loss max | 0.20 dB | 0.30 dB |
| Isolation min      | 80 dB   | 70 dB   |
| Average power (*)  | 240 W   | 170 W   |

## ELECTRICAL CHARACTERISTICS

Actuator : LATCHING  
Nominal current \*\* : 210 mA  
Actuator voltage (Vcc) : 12V (10.2 to 13V) / POSITIVE COMMON  
Terminals : solder pins (250°C max. / 30 sec.)  
Self cut-off time : 40 ms < CT < 120 ms

## MECHANICAL CHARACTERISTICS

Connectors : QMA 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)



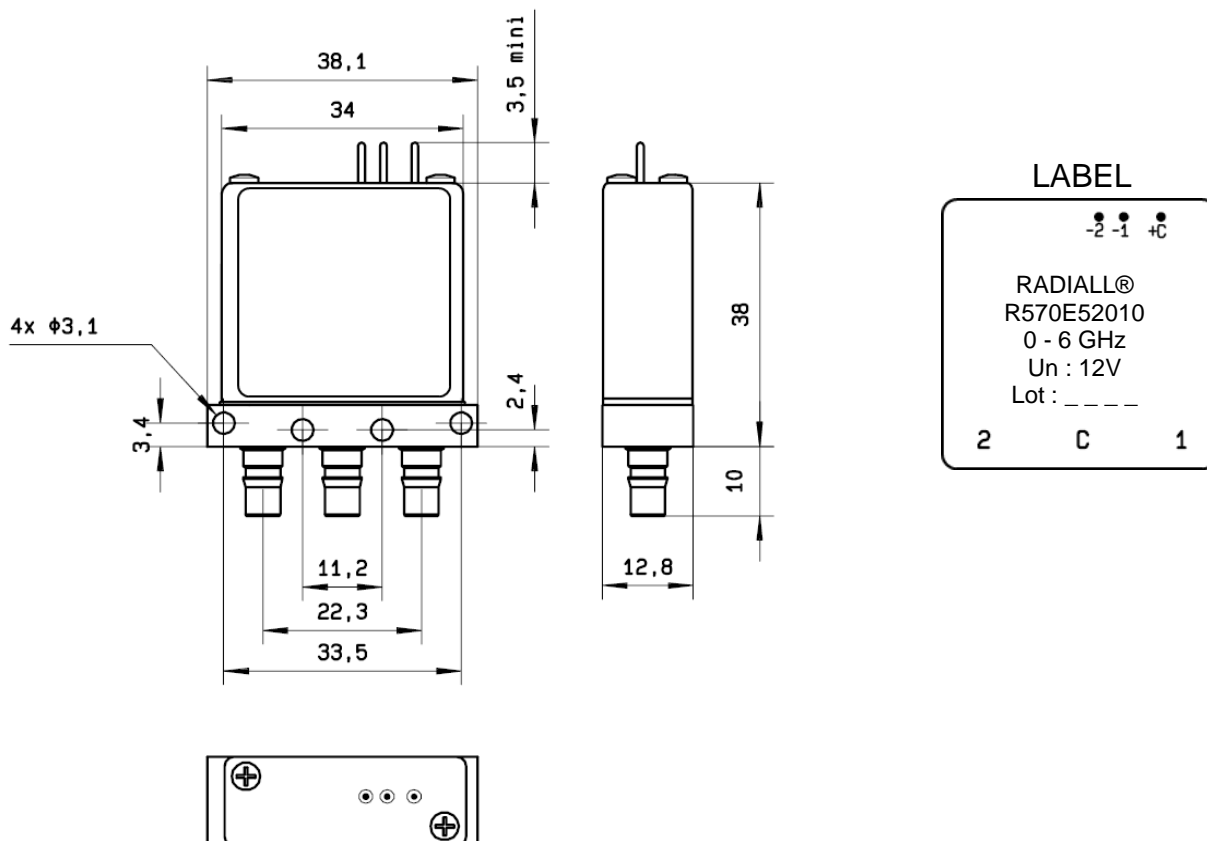
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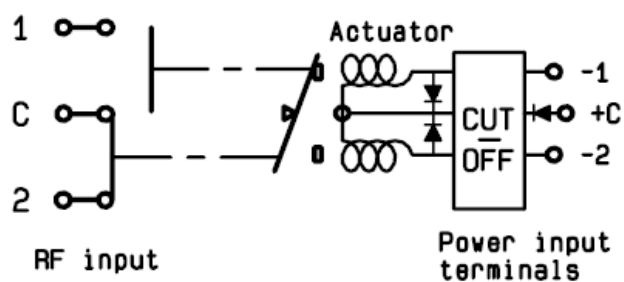
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DRAWING



General tolerances :  $\pm 0.5$  mm

SCHEMATIC DIAGRAM



| Voltage | RF Continuity |
|---------|---------------|
| +C -1   | C ↔ 1         |
| +C -2   | C ↔ 2         |