

PAGE 1/2

ISSUE 22-03-22

SERIE : SPDT

PART NUMBER : R570832030

## RF CHARACTERISTICS

Frequency range : **0 - 40 GHz**  
 Impedance : **50 Ohms**

| Frequency (GHz)    | DC - 6         | 6 - 12.4       | 12.4 - 18      | 18 - 26.5      | 26.5 - 40      |
|--------------------|----------------|----------------|----------------|----------------|----------------|
| VSWR max           | <b>1.30</b>    | <b>1.40</b>    | <b>1.50</b>    | <b>1.70</b>    | <b>1.90</b>    |
| Insertion loss max | <b>0.30 dB</b> | <b>0.40 dB</b> | <b>0.50 dB</b> | <b>0.70 dB</b> | <b>0.80 dB</b> |
| Isolation min      | <b>70 dB</b>   | <b>60 dB</b>   | <b>60 dB</b>   | <b>55 dB</b>   | <b>50 dB</b>   |
| Average power (*)  | <b>80 W</b>    | <b>60 W</b>    | <b>50 W</b>    | <b>20 W</b>    | <b>10 W</b>    |

## ELECTRICAL CHARACTERISTICS

Actuator : **LATCHING**  
 Nominal current \*\* : **210 mA**  
 Actuator voltage (Vcc) : **12V (10.2 to 13V) / NEGATIVE COMMON**  
 Terminals : **solder pins (250°C max. / 30 sec.)**

## MECHANICAL CHARACTERISTICS

Connectors : **SMA 2.9 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)



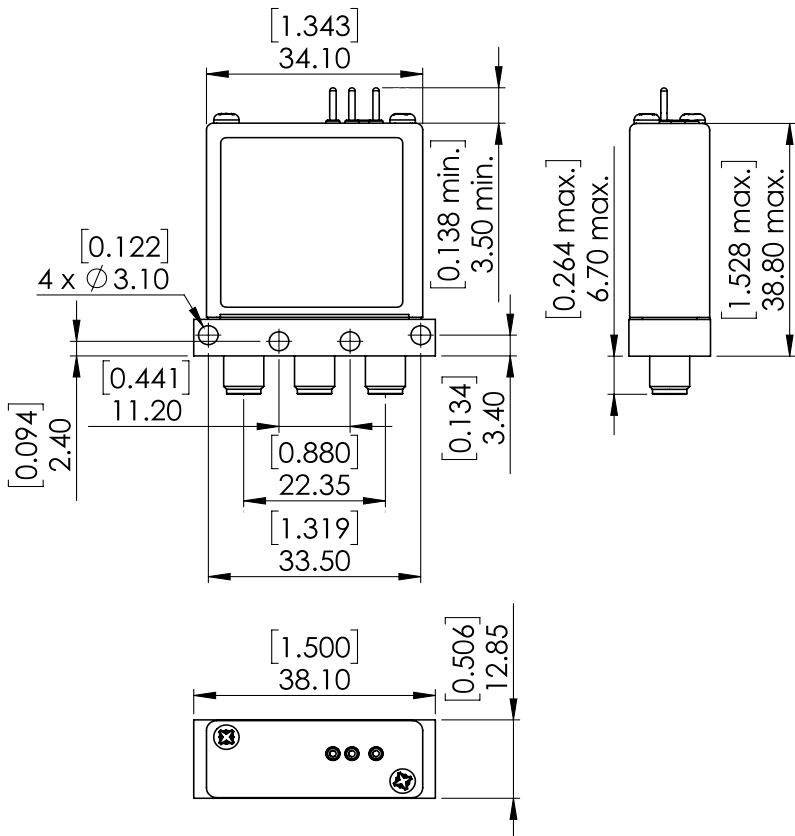
PAGE 2/2

ISSUE 22-03-22

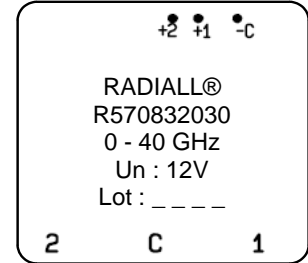
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DRAWING

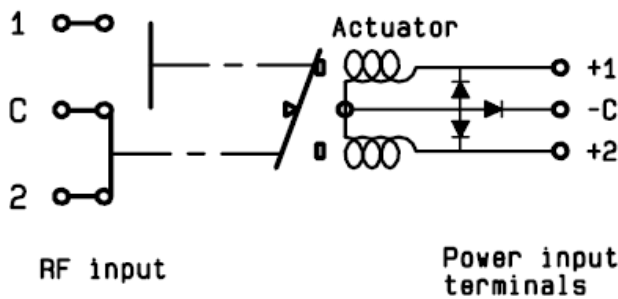


**LABEL**



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

SCHEMATIC DIAGRAM



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

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