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ISSUE **06-02-18**

SERIE : **DPDT**

PART NUMBER : **R577013000**

## RF CHARACTERISTICS

Frequency range : **0 - 3 GHz**  
Impedance : **50 Ohms**

| Frequency (GHz)    | DC - 1         | 1 - 2          | 2 - 3          |
|--------------------|----------------|----------------|----------------|
| VSWR max           | <b>1.15</b>    | <b>1.20</b>    | <b>1.25</b>    |
| Insertion loss max | <b>0.15 dB</b> | <b>0.20 dB</b> | <b>0.25 dB</b> |
| Isolation min      | <b>85 dB</b>   | <b>80 dB</b>   | <b>75 dB</b>   |
| Average power (*)  | <b>700 W</b>   | <b>500 W</b>   | <b>400 W</b>   |

## ELECTRICAL CHARACTERISTICS

Actuator : **FAILSAFE**  
Nominal current \*\* : **140 mA**  
Actuator voltage (Vcc) : **28V (24 to 30V)**  
Terminals : **solder pins (250°C max. / 30 sec.)**

## MECHANICAL CHARACTERISTICS

Connectors : **N female per MIL-C 39012**  
Life : **2.5 million cycles**  
Switching Time\*\*\* : **< 15 ms**  
Construction : **Splashproof**  
Weight : **< 215 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)



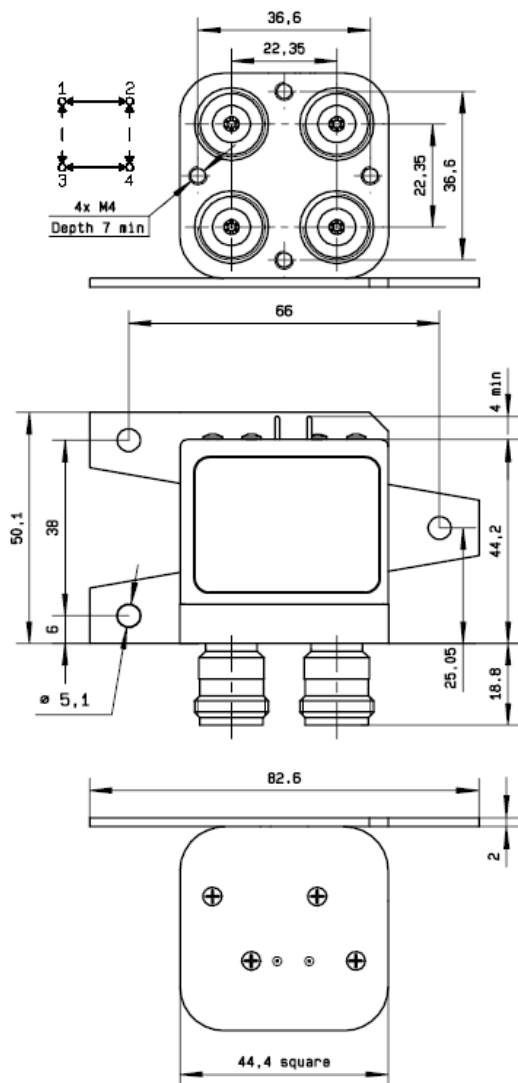
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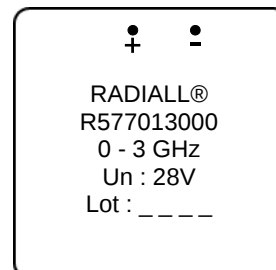
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DRAWING



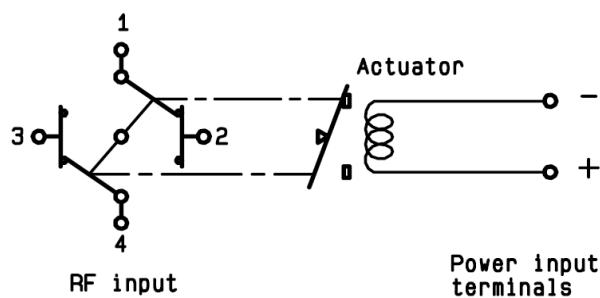
General tolerances :  $\pm 0,5$  mm [0,02 in]

**LABEL**



SCHEMATIC DIAGRAM

**Position : De energized**



| Voltage      | RF Continuity |
|--------------|---------------|
| energized    | 1 ↔ 3 / 2 ↔ 4 |
| De-energized | 1 ↔ 2 / 3 ↔ 4 |

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