



**40 GHz SMA-2.9 LATCHING S.P.D.T. SWITCH**

OPTIONS :

**R F CHARACTERISTICS**

FREQUENCY RANGE : 0 - 40 GHz  
IMPEDANCE : 50 Ohms

| FREQUENCY (GHz) | 0 - 6   | 6 -12.4 | 12.4- 18 | 18 -26.5 | 26.5- 40 |
|-----------------|---------|---------|----------|----------|----------|
| V.S.W.R <=      | 1.30    | 1.40    | 1.50     | 1.70     | 1.90     |
| INSERT. LOSS <= | 0.30 dB | 0.40 dB | 0.50 dB  | 0.70 dB  | 0.80 dB  |
| ISOLATION >=    | 70 dB   | 60 dB   | 60 dB    | 55 dB    | 50 dB    |
| AVER. POWER (*) | 80 W    | 60 W    | 50 W     | 20 W     | 10 W     |

**ELECTRICAL CHARACTERISTICS**

ACTUATOR : LATCHING  
NOMINAL CURRENT AT 25°C (±10%) : 80 mA  
ACTUATOR VOLTAGE (Vcc) : 28V (24 to 30V) / NEGATIVE COMMON  
TERMINALS : solder pins (250°C max./30 sec.)

**MECHANICAL CHARACTERISTICS**

CONNECTORS : SMA 2.9fem. per MIL C 39012  
LIFE : 10.000.000 cycles  
SWITCHING TIME (nominal voltage;25°C) : < 10 ms  
CONSTRUCTION : splashproof  
WEIGHT : < 45 g

**ENVIRONMENTAL CHARACTERISTICS**

OPERATING TEMPERATURE RANGE (°C) : -40 , +85  
STORAGE TEMPERATURE RANGE (°C) : -55 , +85

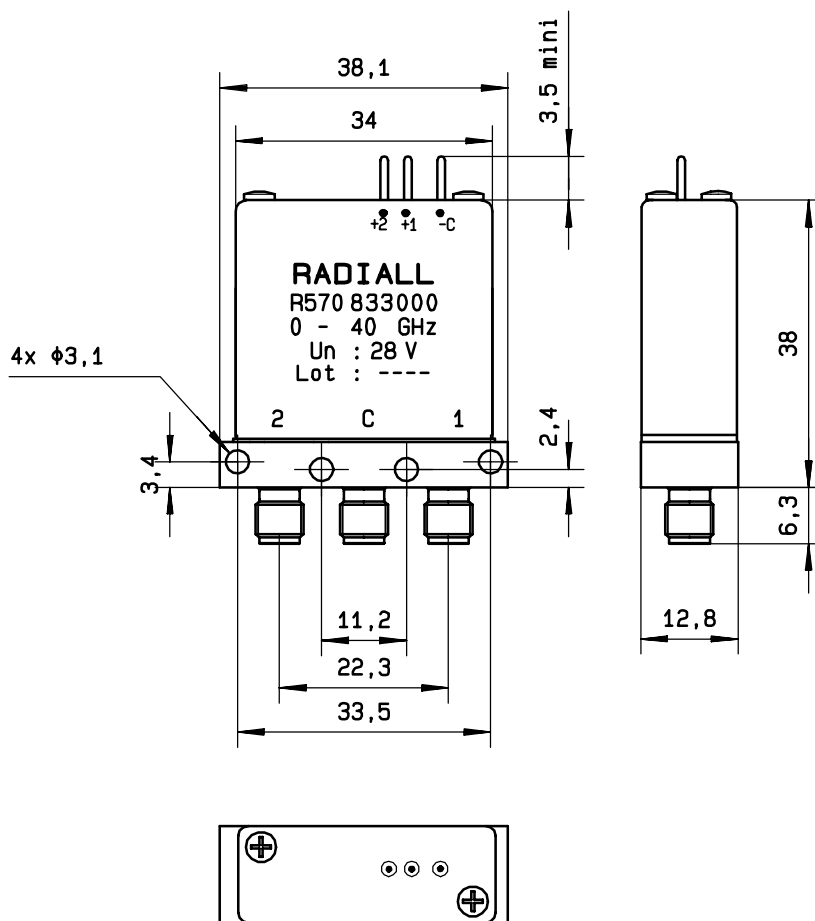
(\* : average power at 25°C)

4113-9212 This information is given as an indication. In the continual goal to improve our products, we reserve the right to make any modifications judged necessary

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DRAWING

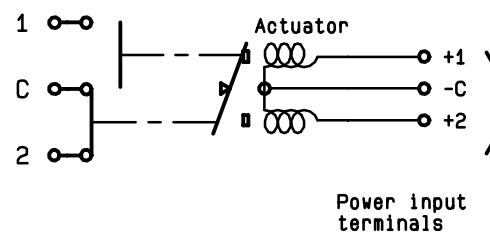


General tolerance:  $\pm 0,5$  mm

SCHEMATIC DIAGRAM

| Voltage | RF continuity             |
|---------|---------------------------|
| - C + 1 | C $\longleftrightarrow$ 1 |
| - C + 2 | C $\longleftrightarrow$ 2 |

RF input



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