



8 GHz N LATCHING S.P.8 T. SWITCH

OPTIONS :

**R F CHARACTERISTICS**

NUMBER OF WAYS : 8  
 FREQUENCY RANGE : 0 - 8 GHz  
 IMPEDANCE : 50 Ohms

|                 |         |         |
|-----------------|---------|---------|
| FREQUENCY (GHz) | 0 - 3   | 3 - 8   |
| V.S.W.R <=      | 1.30    | 1.50    |
| INSERT. LOSS <= | 0.30 dB | 0.50 dB |
| ISOLATION >=    | 80 dB   | 70 dB   |
| AVER. POWER (*) | 300 W   | 200 W   |

**ELECTRICAL CHARACTERISTICS**

ACTUATOR : LATCHING  
 NOMINAL CURRENT AT 25°C (±10%) : 320 mA / RESET : 2560 mA (\*\*)  
 ACTUATOR VOLTAGE (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON  
 TERMINALS : solder pins (250 deg.C max./30 sec.)

**MECHANICAL CHARACTERISTICS**

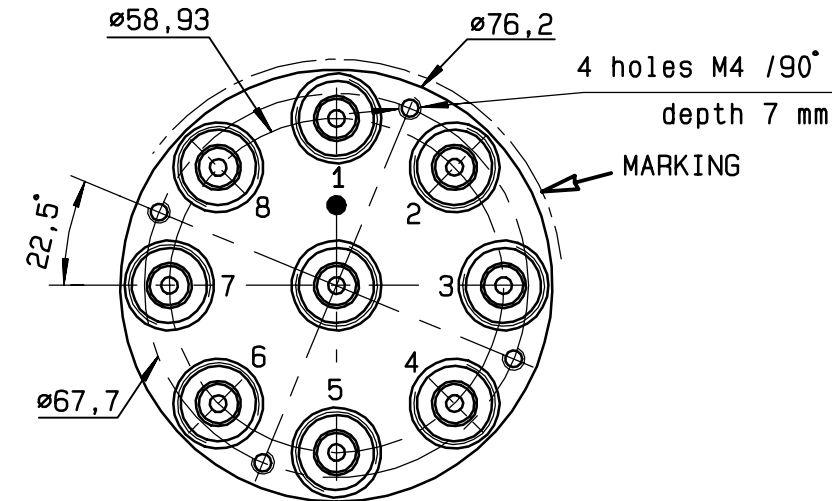
CONNECTORS : N female per MIL-C 39012  
 LIFE : 2.000.000 cycles per position  
 SWITCHING TIME (nominal voltage;25°C) : < 15 ms  
 CONSTRUCTION : splashproof  
 WEIGHT : < 680 g

**ENVIRONMENTAL CHARACTERISTICS**

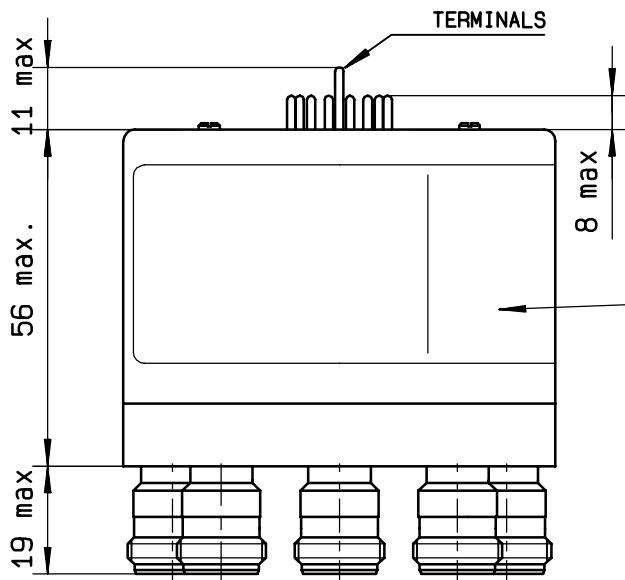
OPERATING TEMPERATURE RANGE (°C) : -40 , +85  
 STORAGE TEMPERATURE RANGE (°C) : -55 , +85

(\* : average power at 25°C per RF path)  
 (\*\* RESET : supply voltage time 1sec. max./duty cycle 10%)

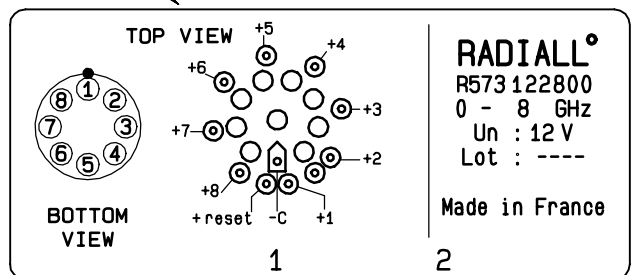
4112-9212 This information is given as an indication. In the continual goal to improve our products, we reserve the right to make any modifications judged necessary



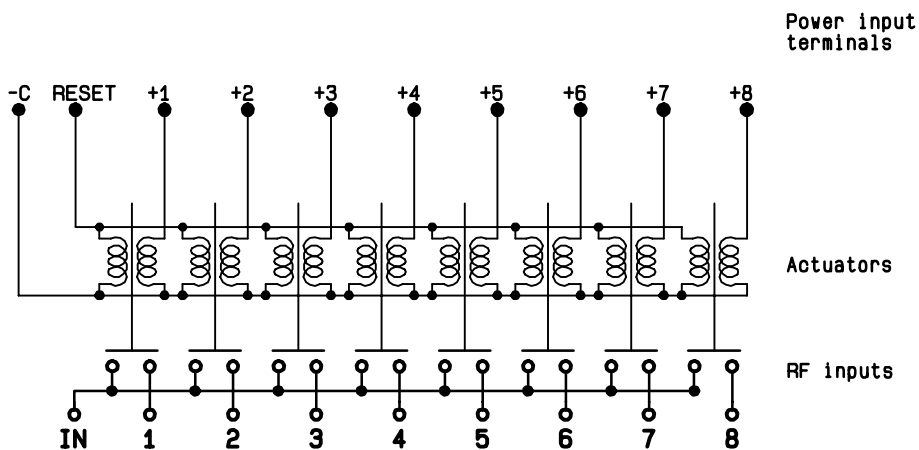
| Voltage   | RF continuity  |
|-----------|----------------|
| -C +RESET | All ports open |
| -C +1     | IN ↔ 1         |
| -C +2     | IN ↔ 2         |
| -C +3     | IN ↔ 3         |
| -C +4     | IN ↔ 4         |
| -C +5     | IN ↔ 5         |
| -C +6     | IN ↔ 6         |
| -C +7     | IN ↔ 7         |
| -C +8     | IN ↔ 8         |



MARKING TOP VIEW (TERMINALS)



**SCHEMATIC DIAGRAM**



Power input terminals

Actuators

RF inputs

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