

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



18 GHz SMA N/O S.P.8 T. SWITCH

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OPTIONS :

### R F CHARACTERISTICS

NUMBER OF WAYS : 8  
FREQUENCY RANGE : 0 - 18 GHz  
IMPEDANCE : 50 Ohms

| FREQUENCY (GHz) | 0 - 3   | 3 - 8   | 8 -12.4 | 12.4- 16 | 16 - 18 |
|-----------------|---------|---------|---------|----------|---------|
| V.S.W.R <=      | 1.20    | 1.30    | 1.40    | 1.50     | 1.60    |
| INSERT. LOSS <= | 0.20 dB | 0.30 dB | 0.40 dB | 0.55 dB  | 0.60 dB |
| ISOLATION >=    | 80 dB   | 70 dB   | 60 dB   | 60 dB    | 60 dB   |
| AVER. POWER (*) | 240 W   | 150 W   | 120 W   | 110 W    | 100 W   |

### ELECTRICAL CHARACTERISTICS

ACTUATOR : NORMALLY OPEN  
NOMINAL CURRENT AT 25° C (±10%) : 102 mA  
ACTUATOR VOLTAGE (Vcc) : 28V (24 to 30V) / POSITIVE COMMON  
TERMINALS : 25 pins D-SUB male connector

### MECHANICAL CHARACTERISTICS

CONNECTORS : SMA female per MIL-C 39012  
LIFE : 2.000.000 cycles per position  
SWITCHING TIME (nominal voltage;25° C) : < 15 ms  
CONSTRUCTION : splashproof  
WEIGHT : < 280 g

### ENVIRONMENTAL CHARACTERISTICS

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

(\* : average power at 25° C per RF path)

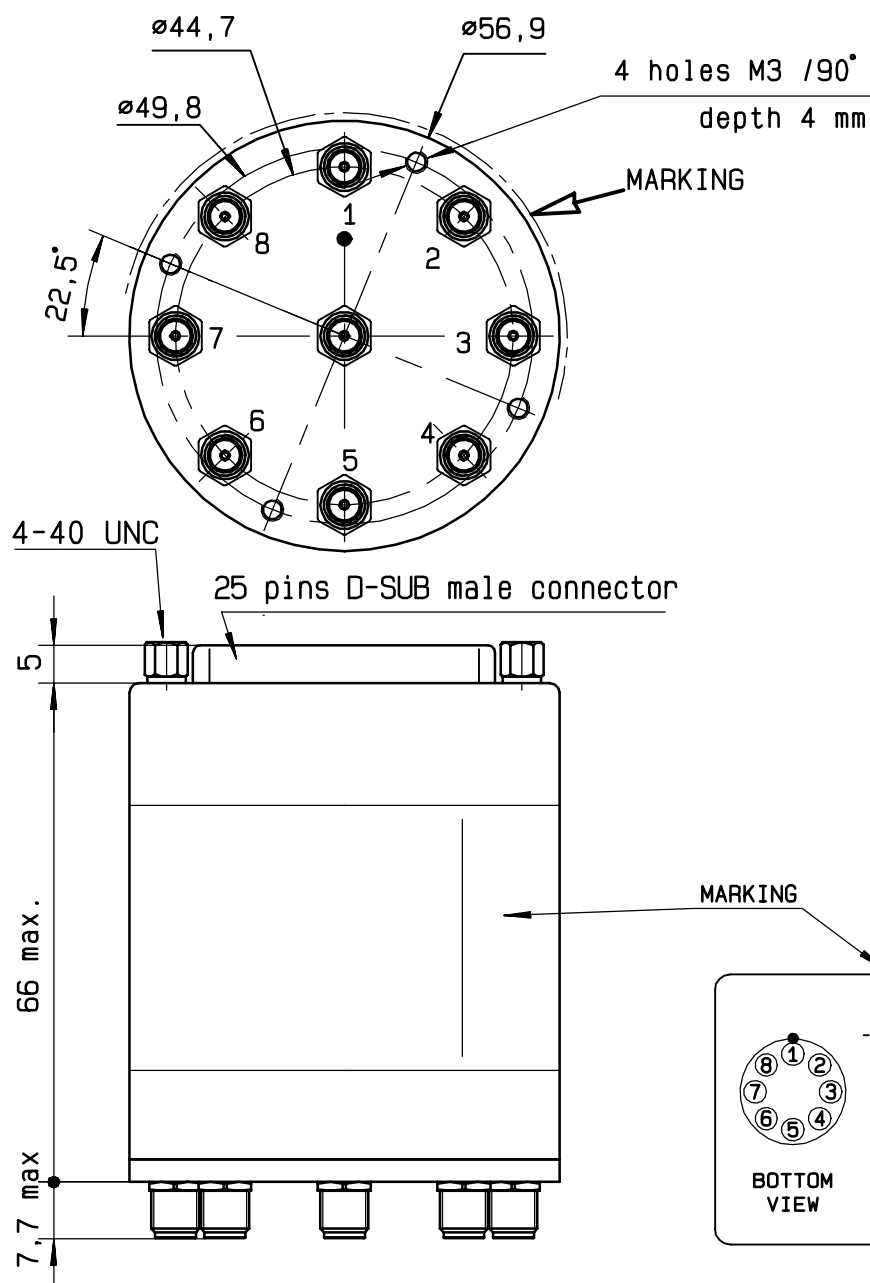
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# DRAWING

General tolerance: ± 0,5 mm

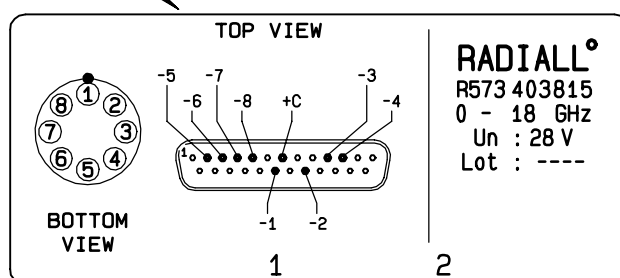
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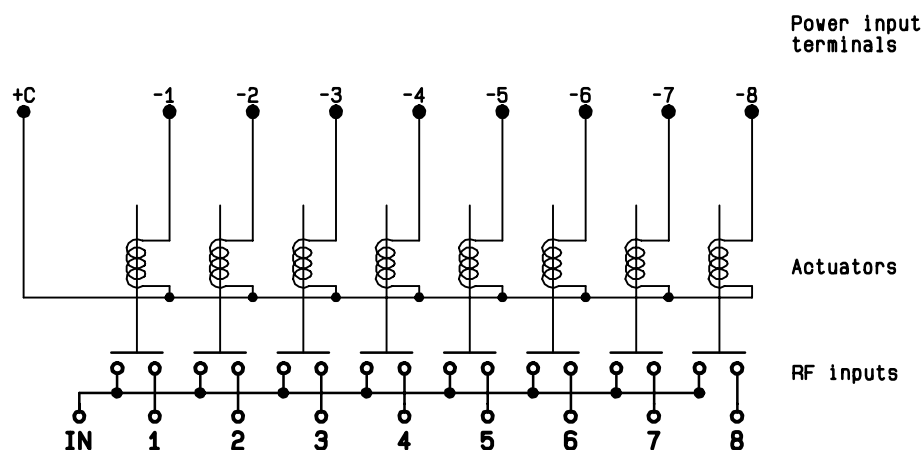


| Voltage | RF continuity |
|---------|---------------|
| +C -1   | IN ↔ 1        |
| +C -2   | IN ↔ 2        |
| +C -3   | IN ↔ 3        |
| +C -4   | IN ↔ 4        |
| +C -5   | IN ↔ 5        |
| +C -6   | IN ↔ 6        |
| +C -7   | IN ↔ 7        |
| +C -8   | IN ↔ 8        |

MARKING TOP VIEW (TERMINALS)



# SCHEMATIC DIAGRAM



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