

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



**3 GHz SMA N/O S.P.8 T. SWITCH**

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OPTIONS : /BCD DECODER /SUPP.DIODES

### RF CHARACTERISTICS

NUMBER OF WAYS : 8  
FREQUENCY RANGE : 0 - 3 GHz  
IMPEDANCE : 50 Ohms

|                 |         |
|-----------------|---------|
| FREQUENCY (GHz) | 0 - 3   |
| V.S.W.R <=      | 1.20    |
| INSERT. LOSS <= | 0.20 dB |
| ISOLATION >=    | 80 dB   |
| AVER. POWER (*) | 240 W   |

### ELECTRICAL CHARACTERISTICS

ACTUATOR : NORMALLY OPEN  
NOMINAL CURRENT AT 25° C (+10%) : 102 mA  
ACTUATOR VOLTAGE (Vcc) : 28V (24 to 30V) / NEGATIVE COMMON  
TERMINALS : 25 pins D-SUB male connector  
BCD INPUTS (E) - High level : 3.5 to 5.5V / 800µA at 5V  
- Low level : 0 to 1.5V / 20µA at 0.8V

### 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

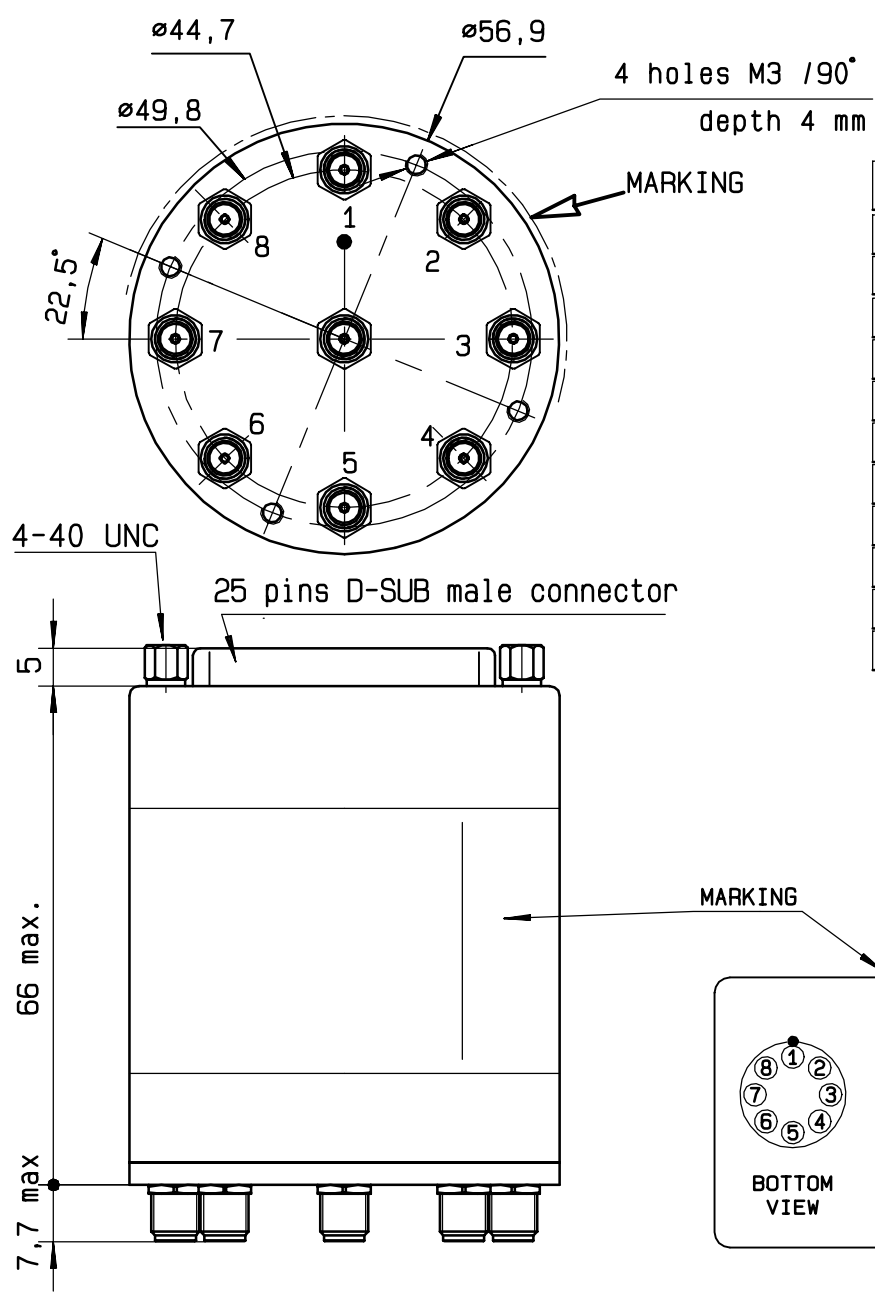
(\* : average power at 25° C per RF path)

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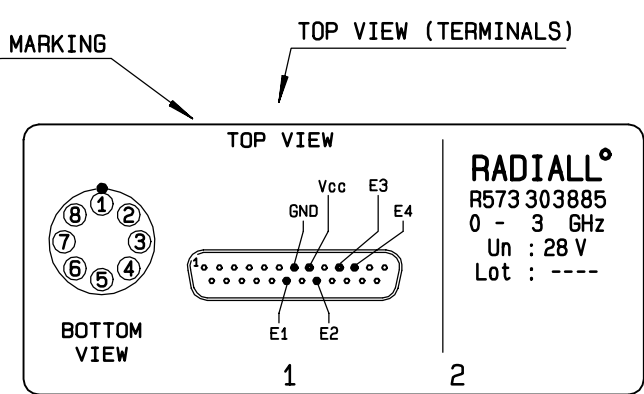
DRAWING

General tolerance:  $\pm 0,5$  mm

R573 303885



| BCD TRUTH TABLE |    |    |    |                   |
|-----------------|----|----|----|-------------------|
| E4              | E3 | E2 | E1 | RF continuity     |
| 0               | 0  | 0  | 0  | LAST SELECTED POS |
| 1               | 1  | 1  | 1  | ALL PORTS OPEN    |
| 0               | 0  | 0  | 1  | IN ↔ 1            |
| 0               | 0  | 1  | 0  | IN ↔ 2            |
| 0               | 0  | 1  | 1  | IN ↔ 3            |
| 0               | 1  | 0  | 0  | IN ↔ 4            |
| 0               | 1  | 0  | 1  | IN ↔ 5            |
| 0               | 1  | 1  | 0  | IN ↔ 6            |
| 0               | 1  | 1  | 1  | IN ↔ 7            |
| 1               | 0  | 0  | 0  | IN ↔ 8            |



SCHEMATIC DIAGRAM

