

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.4 T. SWITCH**

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OPTIONS : INDICATOR /BCD DECODER /SUPP.DIODES

### R F CHARACTERISTICS

NUMBER OF WAYS : 4  
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%) : 250 mA  
ACTUATOR VOLTAGE (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON  
TERMINALS : solder pins (250°C max./30 sec.)  
INDICATOR RATING : 1 W / 30 V / 100 mA  
BCD INPUTS (E) - High level : 3.5 to 5.5V / 800µA at 5V  
- Low level : 0 to 1.5V / 20µA at 0.8V

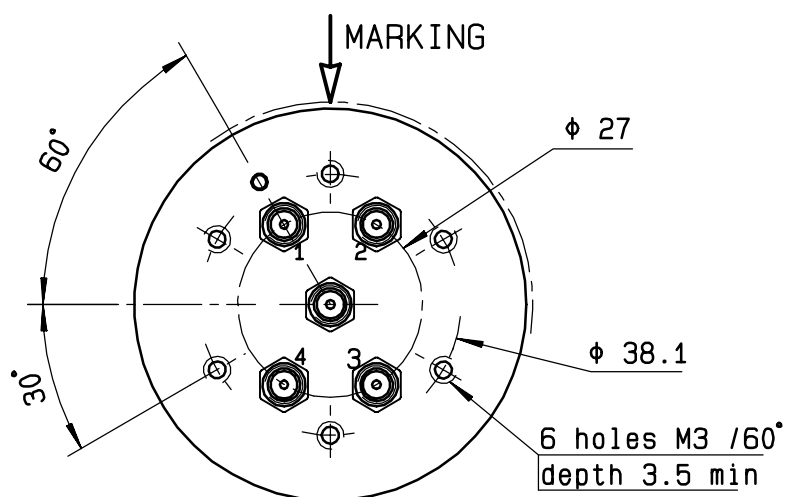
### MECHANICAL CHARACTERISTICS

CONNECTORS : SMA female per MIL C 39012  
LIFE : 5.000.000 cycles per position  
SWITCHING TIME (nominal voltage;25° C) : < 15 ms  
CONSTRUCTION : splashproof  
WEIGHT : < 220 g

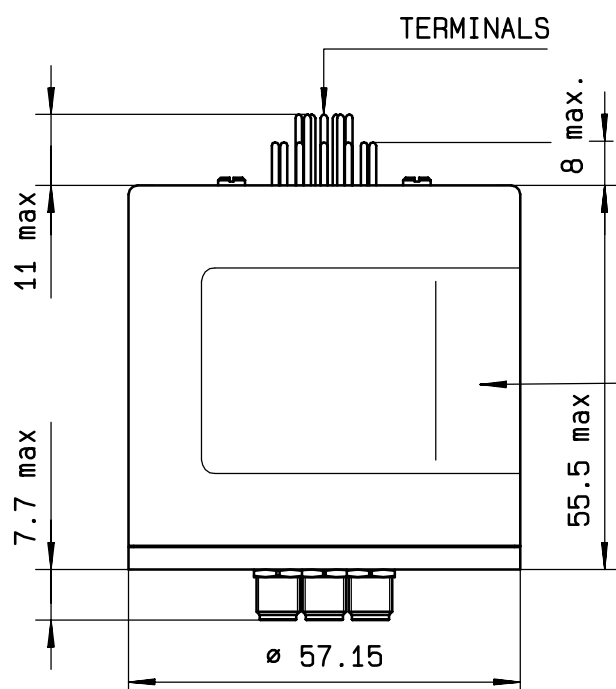
### ENVIRONMENTAL CHARACTERISTICS

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

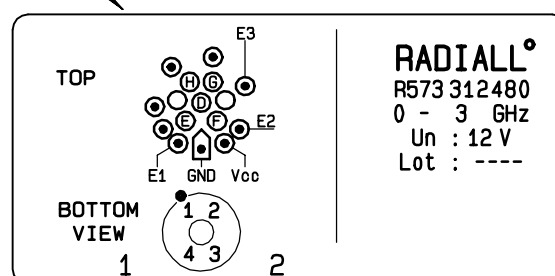
(\* : average power at 25° C per RF path)



| BCD TRUTH TABLE |    |    |                   |      |
|-----------------|----|----|-------------------|------|
| E3              | E2 | E1 | RF continuity     | Ind. |
| 0               | 0  | 0  | LAST SELECTED POS | --   |
| 1               | 1  | 1  | ALL PORTS OPEN    |      |
| 0               | 0  | 1  | IN ↔ 1            | D.E  |
| 0               | 1  | 0  | IN ↔ 2            | D.F  |
| 0               | 1  | 1  | IN ↔ 3            | D.G  |
| 1               | 0  | 0  | IN ↔ 4            | D.H  |



MARKING TOP VIEW (TERMINALS)



### SCHEMATIC DIAGRAM

