

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 LATCHING S.P.3 T. SWITCH**

Page  
1 / 2

OPTIONS : INDICATOR /SELF CUT-OFF /SUPP.DIODES

### RF CHARACTERISTICS

NUMBER OF WAYS : 3  
FREQUENCY RANGE : 0 - 18 GHz  
IMPEDANCE : 50 Ohms

| FREQUENCY (GHz) | 0 - 3   | 3 - 8   | 8 -12.4 | 12.4- 18 |
|-----------------|---------|---------|---------|----------|
| V.S.W.R <=      | 1.20    | 1.30    | 1.40    | 1.50     |
| INSERT. LOSS <= | 0.20 dB | 0.30 dB | 0.40 dB | 0.50 dB  |
| ISOLATION >=    | 80 dB   | 70 dB   | 60 dB   | 60 dB    |
| AVER. POWER (*) | 240 W   | 150 W   | 120 W   | 100 W    |

### ELECTRICAL CHARACTERISTICS

ACTUATOR : LATCHING  
NOMINAL CURRENT AT 25°C (±10%) : 320 mA / RESET : 960 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  
SELF CUT-OFF TIME : 40 ms < CT < 120 ms

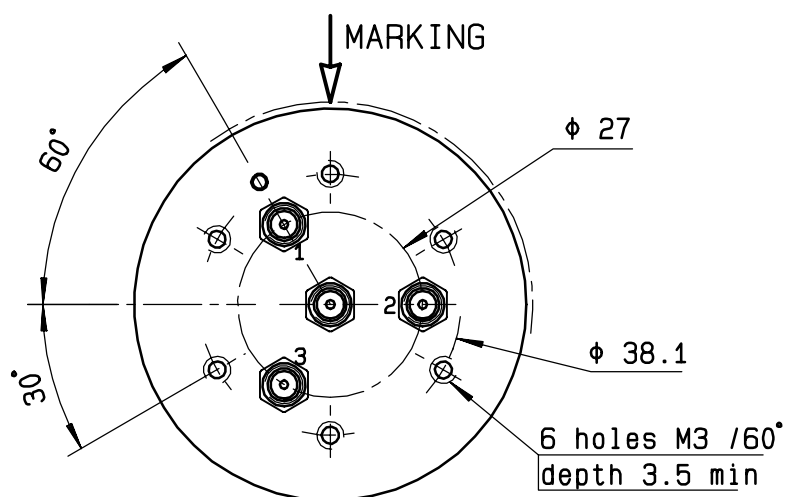
### MECHANICAL CHARACTERISTICS

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

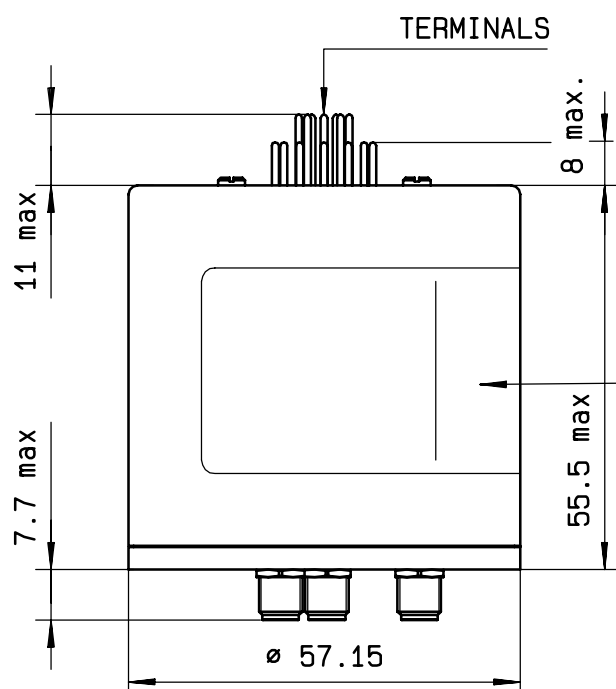
### ENVIRONMENTAL CHARACTERISTICS

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

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

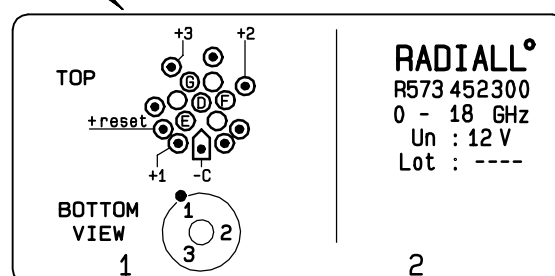


| Voltage   | RF continuity  | Ind. |
|-----------|----------------|------|
| -C +RESET | All ports open | --   |
| -C +1     | IN ↔ 1         | D.E  |
| -C +2     | IN ↔ 2         | D.F  |
| -C +3     | IN ↔ 3         | D.G  |



### MARKING

TOP VIEW (TERMINALS)



### SCHEMATIC DIAGRAM

