



50Ω TERMINATED 18 GHz SMA LATCHING S.P.10T. SWITCH

OPTIONS: INDICATOR /SUPP.DIODES

**R F CHARACTERISTICS**

NUMBER OF WAYS : 10  
 FREQUENCY RANGE : 0 - 18 GHz  
 IMPEDANCE : 50 Ohms

|                 |         |         |         |           |          |
|-----------------|---------|---------|---------|-----------|----------|
| FREQUENCY (GHz) | 0 - 3   | 3 - 8   | 8 -12.4 | 12.4-15.5 | 15.5- 18 |
| V.S.W.R <=      | 1.20    | 1.30    | 1.40    | 1.50      | 1.70     |
| INSERT. LOSS <= | 0.20 dB | 0.30 dB | 0.40 dB | 0.50 dB   | 0.70 dB  |
| ISOLATION >=    | 80 dB   | 70 dB   | 60 dB   | 60 dB     | 55 dB    |
| AVER. POWER (*) | 240 W   | 150 W   | 120 W   | 110 W     | 100 W    |

TERMINATION IMPEDANCE : 50 Ohms  
 TERMINATION AVG. POWER AT 25° C : 1 W per termination  
 3 W total power

**ELECTRICAL CHARACTERISTICS**

ACTUATOR : LATCHING  
 NOMINAL CURRENT AT 25° C (\*10%) : 125 mA / RESET : 1250 mA (\*\*)  
 ACTUATOR VOLTAGE (Vcc) : 28V (24 to 30V) / POSITIVE COMMON  
 TERMINALS : solder pins (250°C max./30 sec.)  
 INDICATOR RATING : 1 W / 30 V / 100 mA

**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 : < 360 g

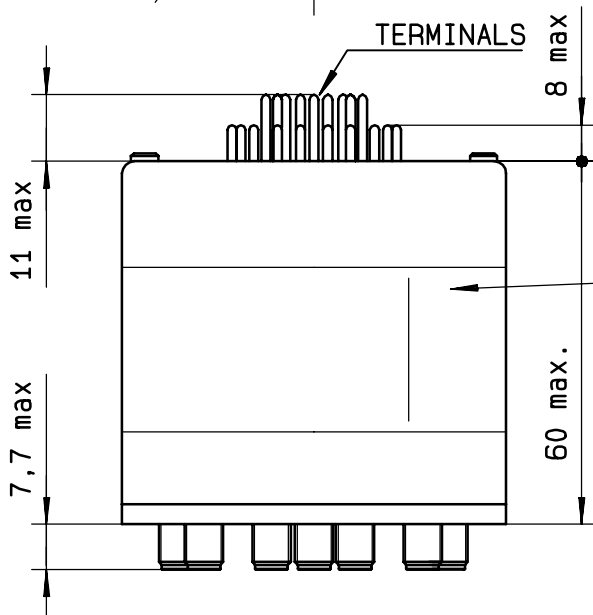
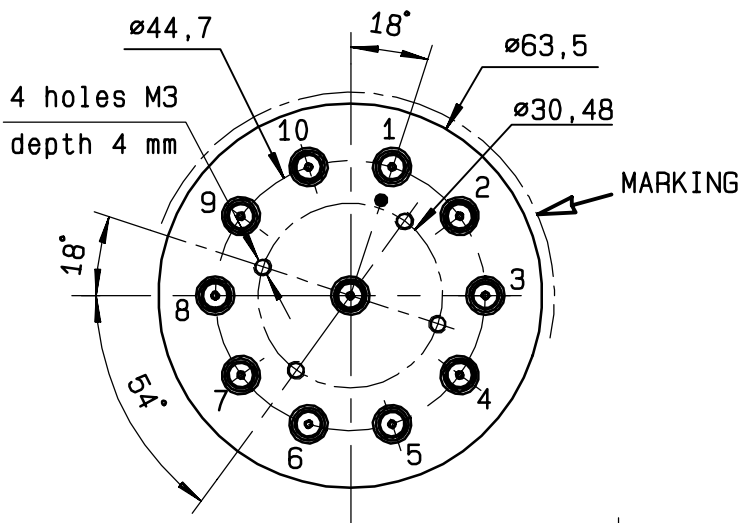
**ENVIRONMENTAL CHARACTERISTICS**

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

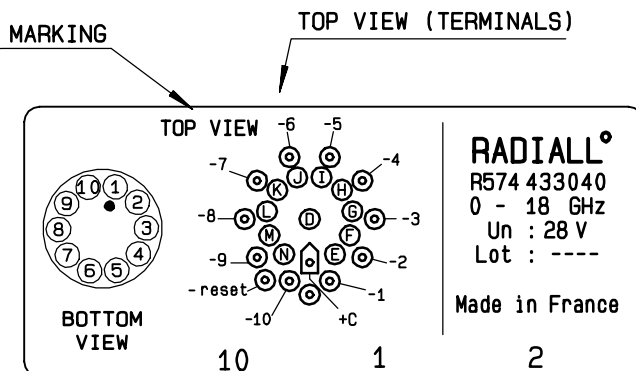
(\* : average power at 25° C per RF path)  
 (\*\* RESET : supply voltage time 1sec. max./duty cycle 10%)

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

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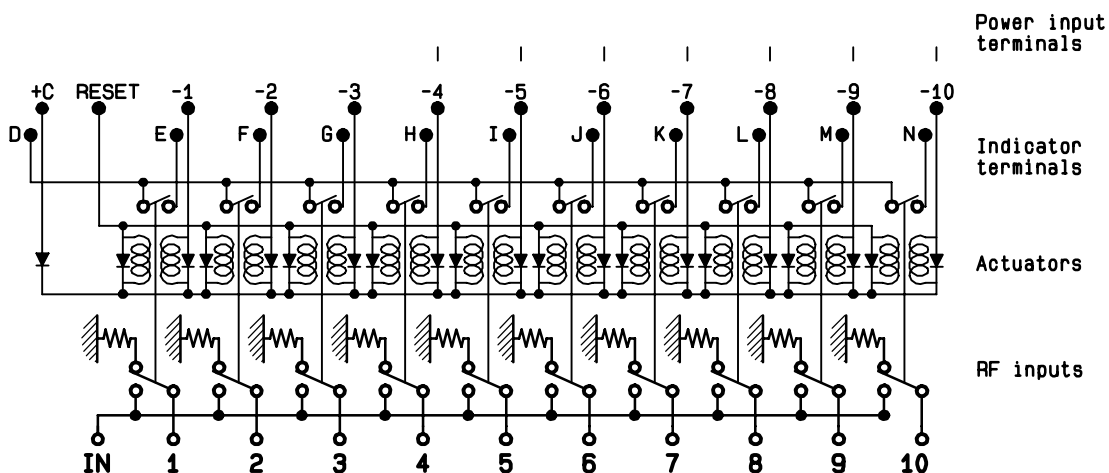


| Voltage   | RF continuity  | Ind. |
|-----------|----------------|------|
| +C -RESET | All ports open | --   |
| +C -1     | IN ↔ 1         | D.E  |
| +C -2     | IN ↔ 2         | D.F  |
| +C -3     | IN ↔ 3         | D.G  |
| +C -4     | IN ↔ 4         | D.H  |
| +C -5     | IN ↔ 5         | D.I  |
| +C -6     | IN ↔ 6         | D.J  |
| +C -7     | IN ↔ 7         | D.K  |
| +C -8     | IN ↔ 8         | D.L  |
| +C -9     | IN ↔ 9         | D.M  |
| +C -10    | IN ↔ 10        | D.N  |



**RADIALL<sup>o</sup>**  
 R574 433040  
 0 - 18 GHz  
 Un : 28 V  
 Lot : ----  
 Made in France

**SCHEMATIC DIAGRAM**



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