

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



50Ω TERMINATED    18 GHz    SMA    N/O    S.P.10T. SWITCH

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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 : 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  
INDICATOR RATING : 1 W / 30 V / 100 mA

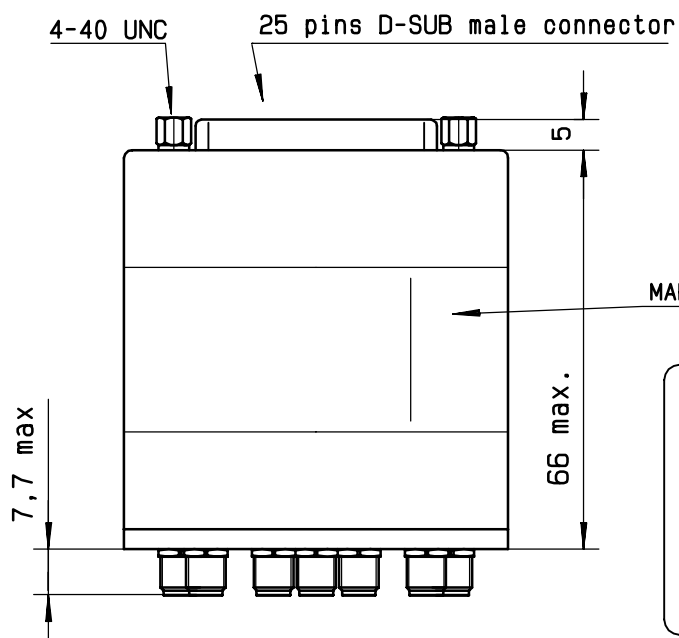
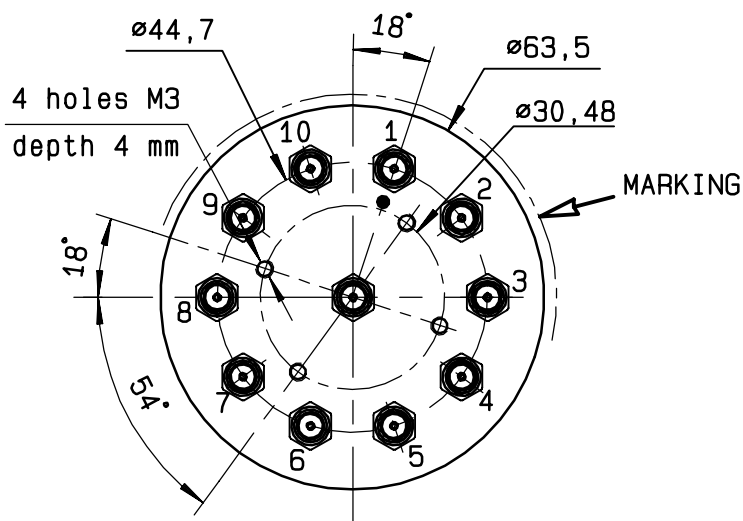
**MECHANICAL CHARACTERISTICS**

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

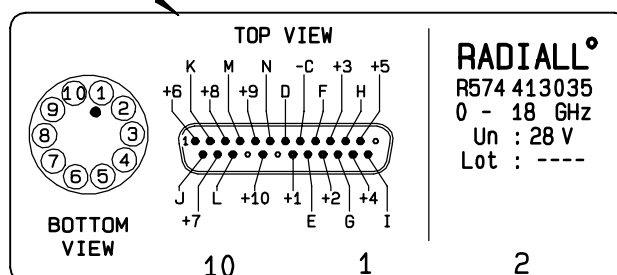
(\* : average power at 25° C per RF path)



| Voltage | RF continuity           | Ind. |
|---------|-------------------------|------|
| -C +1   | IN $\leftrightarrow$ 1  | D.E  |
| -C +2   | IN $\leftrightarrow$ 2  | D.F  |
| -C +3   | IN $\leftrightarrow$ 3  | D.G  |
| -C +4   | IN $\leftrightarrow$ 4  | D.H  |
| -C +5   | IN $\leftrightarrow$ 5  | D.I  |
| -C +6   | IN $\leftrightarrow$ 6  | D.J  |
| -C +7   | IN $\leftrightarrow$ 7  | D.K  |
| -C +8   | IN $\leftrightarrow$ 8  | D.L  |
| -C +9   | IN $\leftrightarrow$ 9  | D.M  |
| -C +10  | IN $\leftrightarrow$ 10 | D.N  |

MARKING

TOP VIEW (TERMINALS)



## SCHEMATIC DIAGRAM

