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**50Ω TERMINATED    18 GHz    SMA    N/O    S.P.8 T. SWITCH**

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OPTIONS:    INDICATOR    /    TTL DRIVE    / SUPP.DIODES

**R F CHARACTERISTICS**

NUMBER OF WAYS : 8  
FREQUENCY RANGE : 0 - 18 GHz  
IMPEDANCE : 50 Ohms

|                 |         |         |         |          |         |
|-----------------|---------|---------|---------|----------|---------|
| FREQUENCY (GHz) | 0 - 3   | 3 - 8   | 8 -12.4 | 12.4- 16 | 16 - 18 |
| V.S.W.R <=      | 1.20    | 1.30    | 1.40    | 1.50     | 1.60    |
| INSERT. LOSS <= | 0.20 dB | 0.30 dB | 0.40 dB | 0.55 dB  | 0.60 dB |
| ISOLATION >=    | 80 dB   | 70 dB   | 60 dB   | 60 dB    | 60 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 : solder pins (250°C max./30 sec.)  
INDICATOR RATING : 1 W / 30 V / 100 mA  
TTL INPUTS (E) - High level : 2.2 to 5.5V / 800µA at 5V  
- Low level : 0 to 0.8V / 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

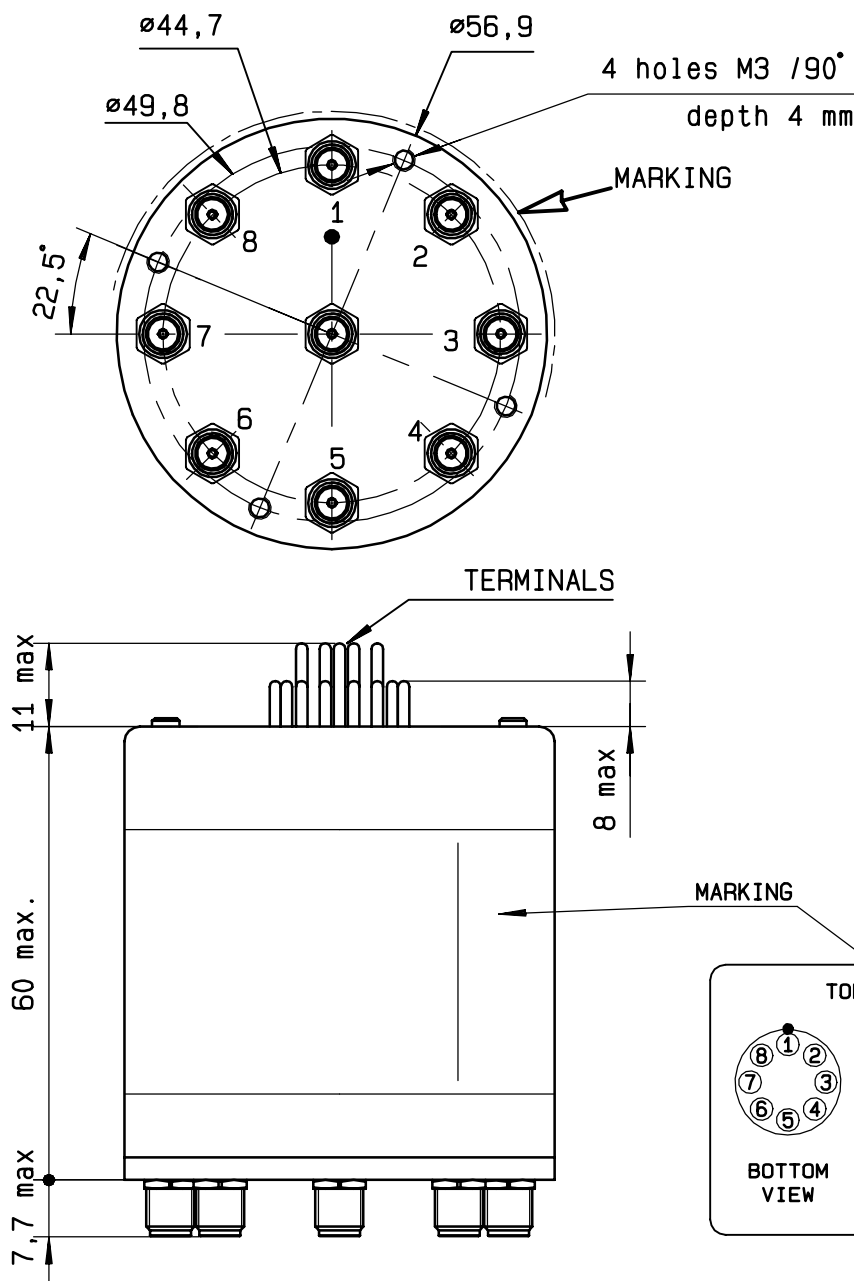
(\* : average power at 25°C per RF path)

# DRAWING

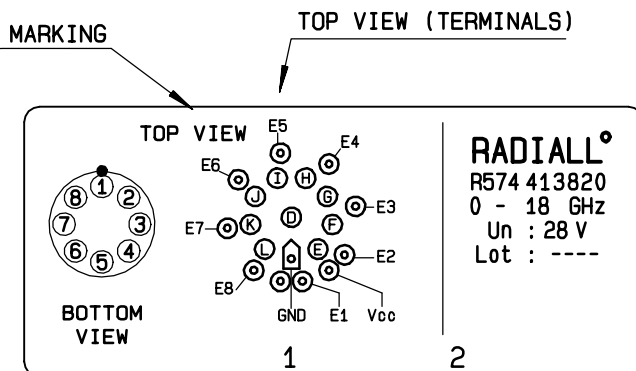
General tolerance: ± 0,5 mm

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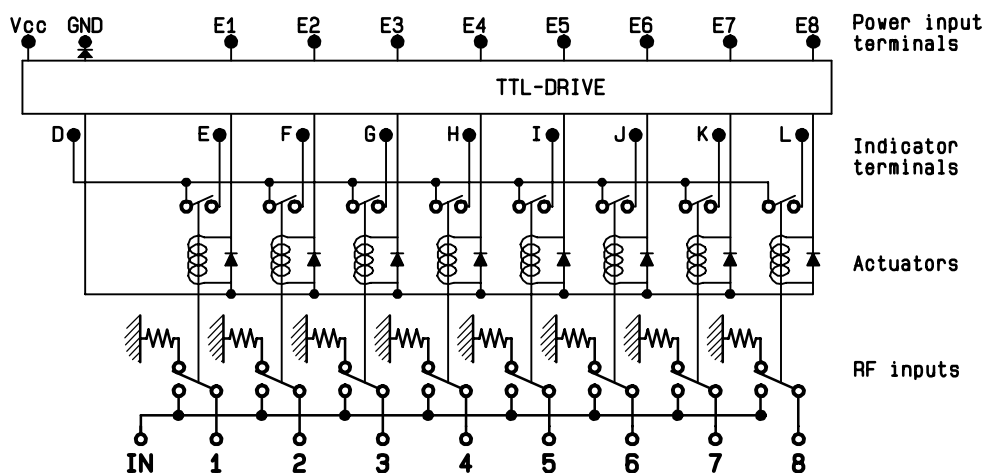
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| TTL input | RF continuity | Ind. |
|-----------|---------------|------|
| E1 = 1    | IN ↔ 1        | D.E  |
| E2 = 1    | IN ↔ 2        | D.F  |
| E3 = 1    | IN ↔ 3        | D.G  |
| E4 = 1    | IN ↔ 4        | D.H  |
| E5 = 1    | IN ↔ 5        | D.I  |
| E6 = 1    | IN ↔ 6        | D.J  |
| E7 = 1    | IN ↔ 7        | D.K  |
| E8 = 1    | IN ↔ 8        | D.L  |



# SCHEMATIC DIAGRAM



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