



50Ω TERMINATED 18GHz SMA LATCHING S.P.8 T. SWITCH

OPTIONS: /SELF CUT-OFF /AUTO RESET / 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 : LATCHING
 NOMINAL CURRENT AT 25° C (±10%) : 960 mA
 ACTUATOR VOLTAGE (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON
 TERMINALS : solder pins (250°C max./30 sec.)
 SELF CUT-OFF TIME : 40 ms < CT < 120 ms
 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) : < 50 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)

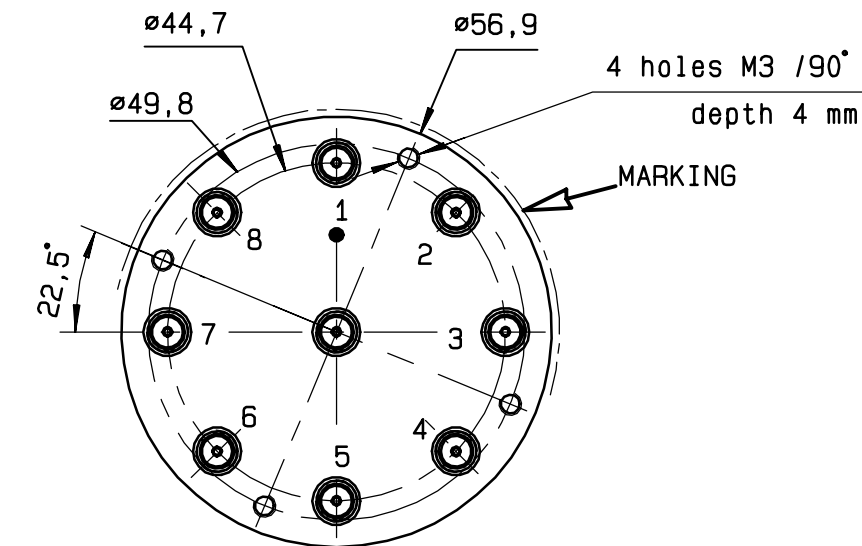
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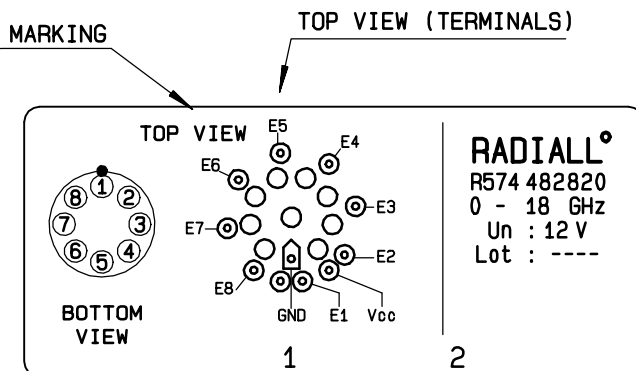
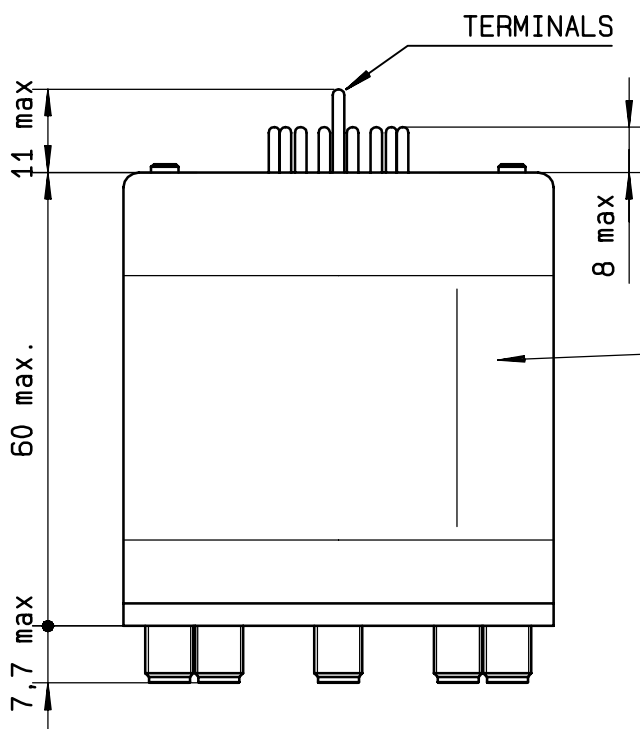
DRAWING

General tolerance: ± 0,5 mm

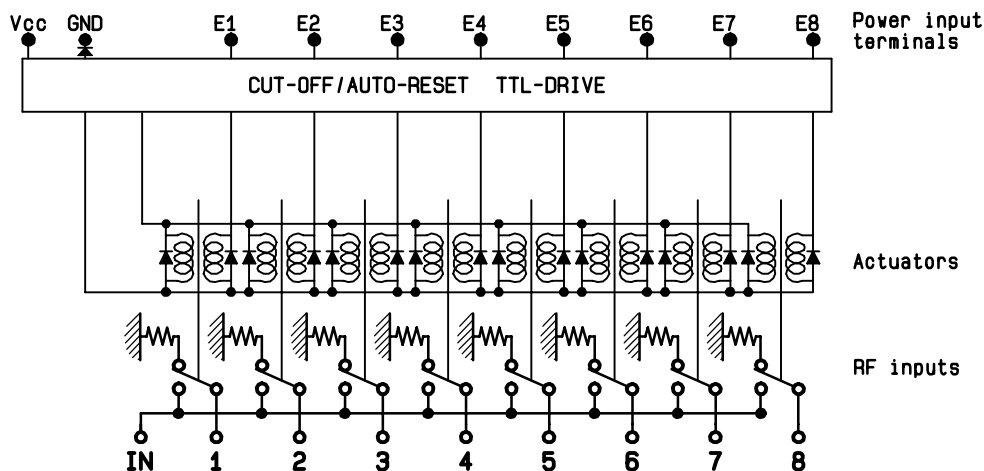
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| TTL input | RF continuity |
|-----------|---------------|
| E1 = 1 | IN ↔ 1 |
| E2 = 1 | IN ↔ 2 |
| E3 = 1 | IN ↔ 3 |
| E4 = 1 | IN ↔ 4 |
| E5 = 1 | IN ↔ 5 |
| E6 = 1 | IN ↔ 6 |
| E7 = 1 | IN ↔ 7 |
| E8 = 1 | IN ↔ 8 |



SCHEMATIC DIAGRAM



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