



50Ω TERMINATED 12.4 GHz SMA LATCHING S.P.12T. SWITCH

OPTIONS: INDICATOR

R F CHARACTERISTICS

NUMBER OF WAYS : 12
 FREQUENCY RANGE : 0 - 12.4 GHz
 IMPEDANCE : 50 Ohms

| | | | |
|-----------------|---------|---------|---------|
| FREQUENCY (GHz) | 0 - 3 | 3 - 8 | 8 -12.4 |
| V.S.W.R <= | 1.20 | 1.40 | 1.80 |
| INSERT. LOSS <= | 0.20 dB | 0.35 dB | 0.70 dB |
| ISOLATION >= | 80 dB | 70 dB | 60 dB |
| AVER. POWER (*) | 240 W | 150 W | 120 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 : 1500 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

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 : < 400 g

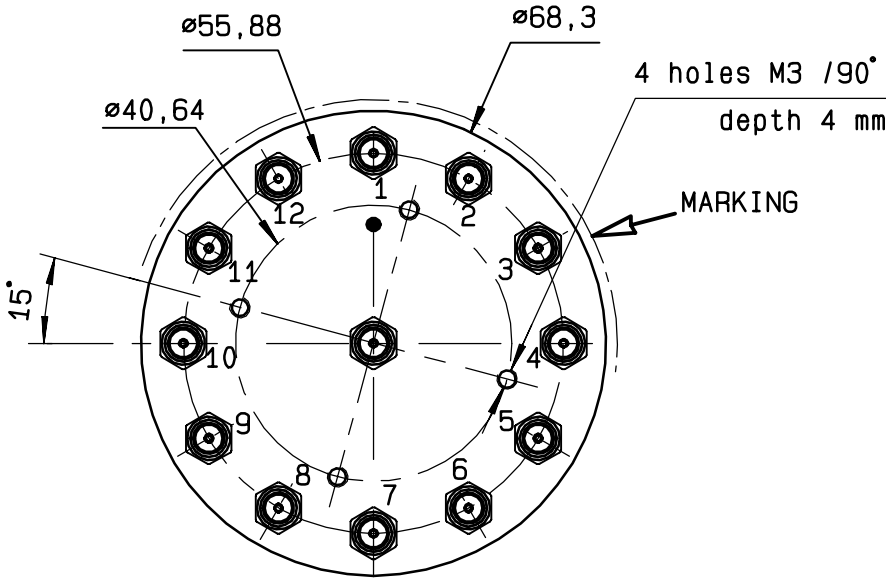
ENVIRONMENTAL CHARACTERISTICS

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

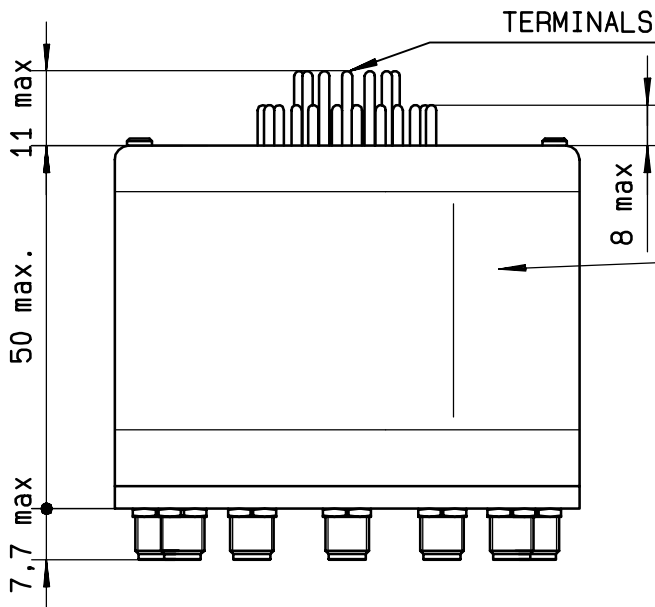
(* : average power at 25° C per RF path)
 (** RESET : supply voltage time 1sec. max./duty cycle 10%)

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

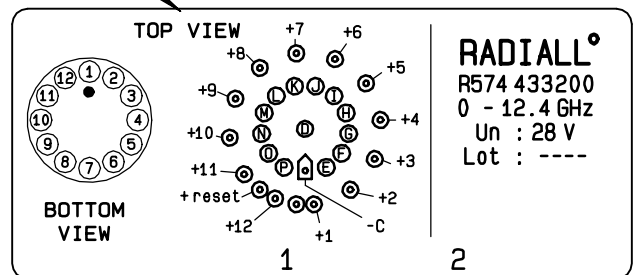
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| Voltage | RF continuity | Ind. |
|-----------|----------------|------|
| -C +RESET | All ports open | -- |
| -C +1 | IN ↔ 1 | D.E |
| -C +2 | IN ↔ 2 | D.F |
| -C +3 | IN ↔ 3 | D.G |
| -C +4 | IN ↔ 4 | D.H |
| -C +5 | IN ↔ 5 | D.I |
| -C +6 | IN ↔ 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 |
| -C +11 | IN ↔ 11 | D.O |
| -C +12 | IN ↔ 12 | D.P |



TOP VIEW (TERMINALS)



RADIALL[®]
 R574 433200
 0 - 12.4 GHz
 Un : 28 V
 Lot : ----

SCHEMATIC DIAGRAM

