

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.8 T. SWITCH

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OPTIONS: / TTL DRIVE /SUPP.DIODES

RF 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%) : 250 mA
ACTUATOR VOLTAGE (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON
TERMINALS : solder pins (250°C max./30 sec.)
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

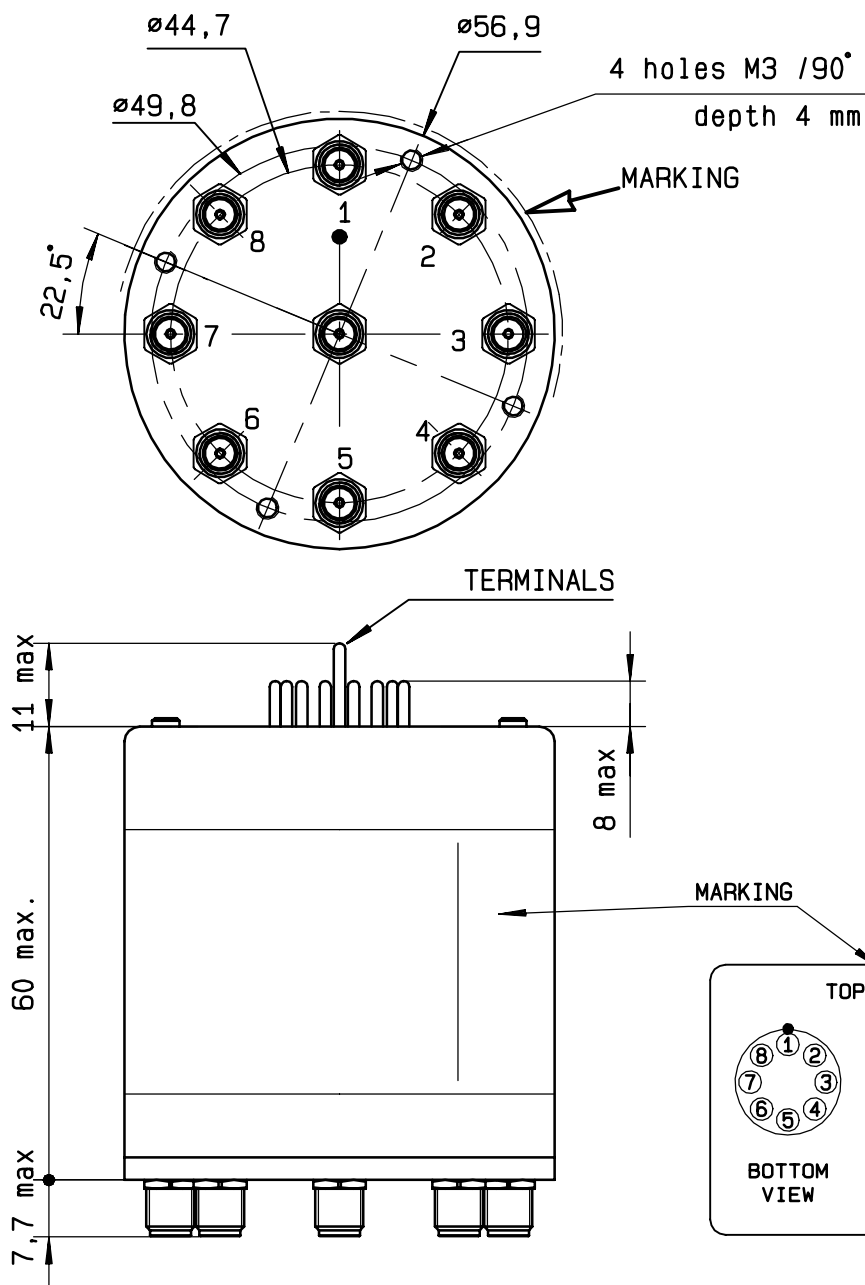
(* : average power at 25°C per RF path)

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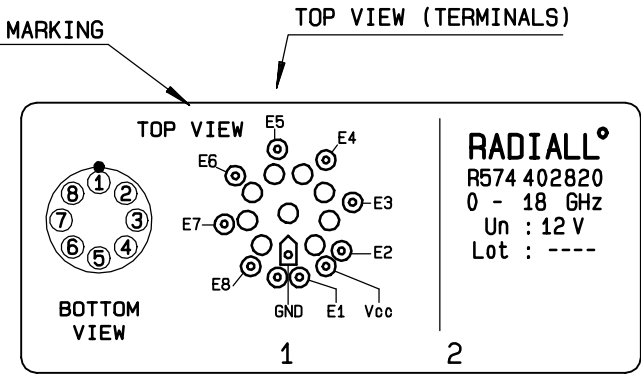
DRAWING

General tolerance: $\pm 0,5$ mm

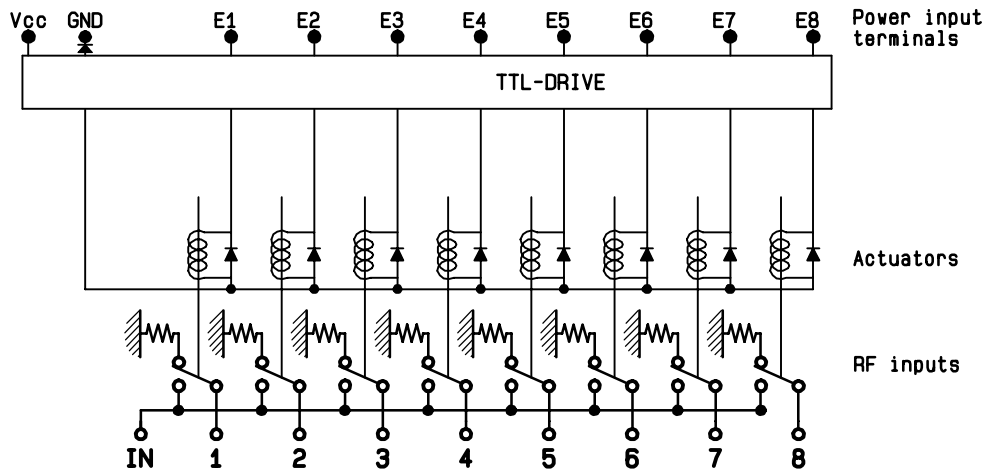
R574 402.820



TTL input	RF continuity
E1 = 1	IN $\leftrightarrow$ 1
E2 = 1	IN $\leftrightarrow$ 2
E3 = 1	IN $\leftrightarrow$ 3
E4 = 1	IN $\leftrightarrow$ 4
E5 = 1	IN $\leftrightarrow$ 5
E6 = 1	IN $\leftrightarrow$ 6
E7 = 1	IN $\leftrightarrow$ 7
E8 = 1	IN $\leftrightarrow$ 8



SCHEMATIC DIAGRAM



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