

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



40 GHz SMA-2.9 N/O S.P.6 T. SWITCH

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OPTIONS : /BCD DECODER /SUPP.DIODES

RF CHARACTERISTICS

NUMBER OF WAYS : 6
FREQUENCY RANGE : 0 - 40 GHz
IMPEDANCE : 50 Ohms

FREQUENCY (GHz)	0 - 6	6 -12.4	12.4- 18	18 -26.5	26.5- 40
V.S.W.R <=	1.30	1.40	1.50	1.70	2.20
INSERT. LOSS <=	0.20 dB	0.40 dB	0.50 dB	0.70 dB	1.10 dB
ISOLATION >=	70 dB	60 dB	60 dB	55 dB	50 dB
AVER. POWER (*)	40 W	30 W	25 W	15 W	5 W

ELECTRICAL CHARACTERISTICS

ACTUATOR : NORMALLY OPEN
NOMINAL CURRENT AT 25° C (±10%) : 250 mA
ACTUATOR VOLTAGE (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON
TERMINALS : 25 pins D-SUB male connector
BCD INPUTS (E) - High level : 3.5 to 5.5V / 800µA at 5V
- Low level : 0 to 1.5V / 20µA at 0.8V

MECHANICAL CHARACTERISTICS

CONNECTORS : SMA 2.9 fem.per MIL C 39012
LIFE : 2.000.000 cycles per position
SWITCHING TIME (nominal voltage;25° C) : < 15 ms
CONSTRUCTION : splashproof
WEIGHT : < 220 g

ENVIRONMENTAL CHARACTERISTICS

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

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

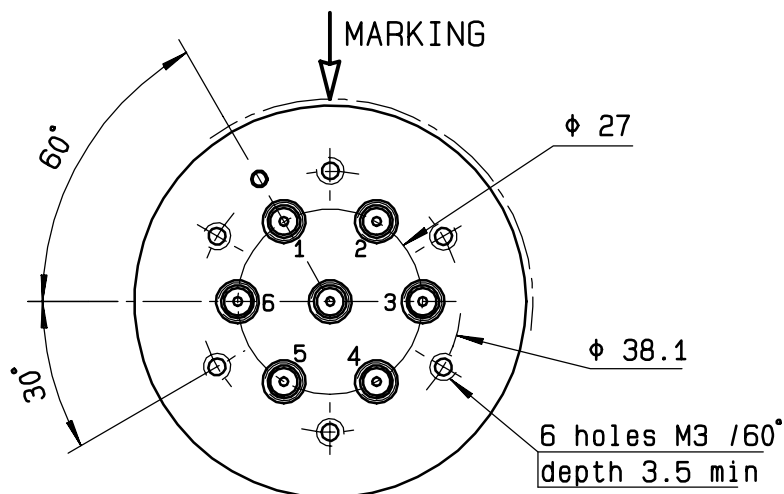
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DRAWING

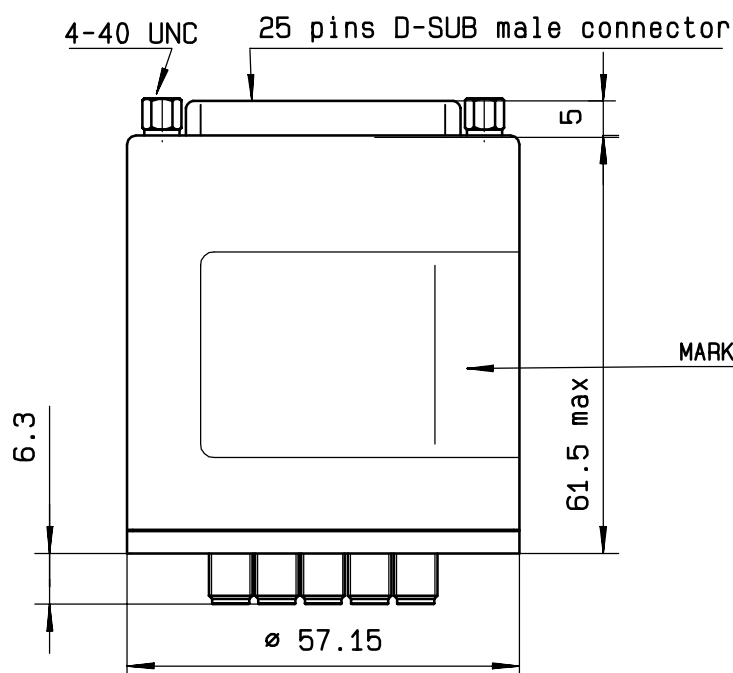
General tolerance: $\pm 0,5$ mm

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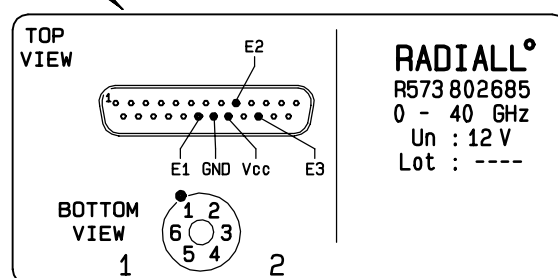


BCD TRUTH TABLE			
E3	E2	E1	RF continuity
0	0	0	LAST SELECTED POS
1	1	1	ALL PORTS OPEN
0	0	1	IN $\leftrightarrow$ 1
0	1	0	IN $\leftrightarrow$ 2
0	1	1	IN $\leftrightarrow$ 3
1	0	0	IN $\leftrightarrow$ 4
1	0	1	IN $\leftrightarrow$ 5
1	1	0	IN $\leftrightarrow$ 6

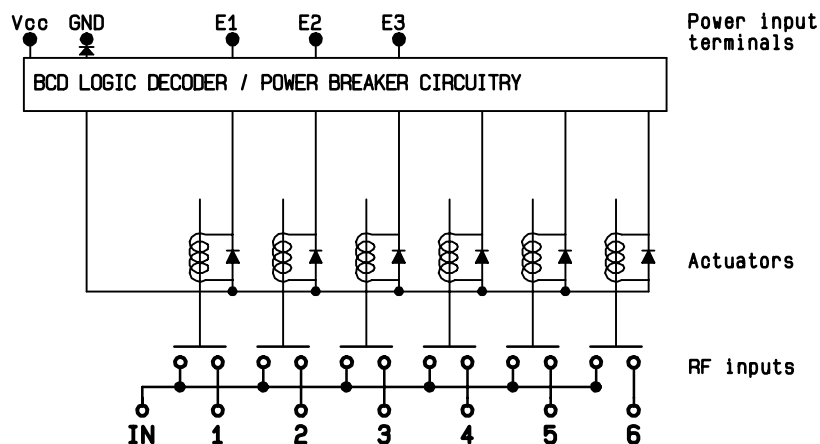


MARKING

TOP VIEW (TERMINALS)



SCHEMATIC DIAGRAM



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