

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



3 GHz SMA N/O S.P.10T. SWITCH

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OPTIONS : /BCD DECODER /SUPP.DIODES

R F CHARACTERISTICS

NUMBER OF WAYS : 10
FREQUENCY RANGE : 0 - 3 GHz
IMPEDANCE : 50 Ohms

FREQUENCY (GHz)	0 - 3
V.S.W.R <=	1.20
INSERT. LOSS <=	0.20 dB
ISOLATION >=	80 dB
AVER. POWER (*)	240 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

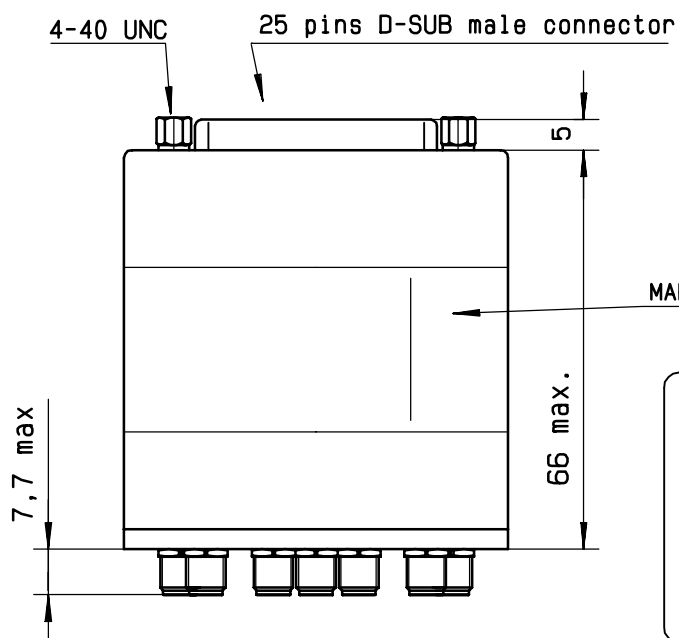
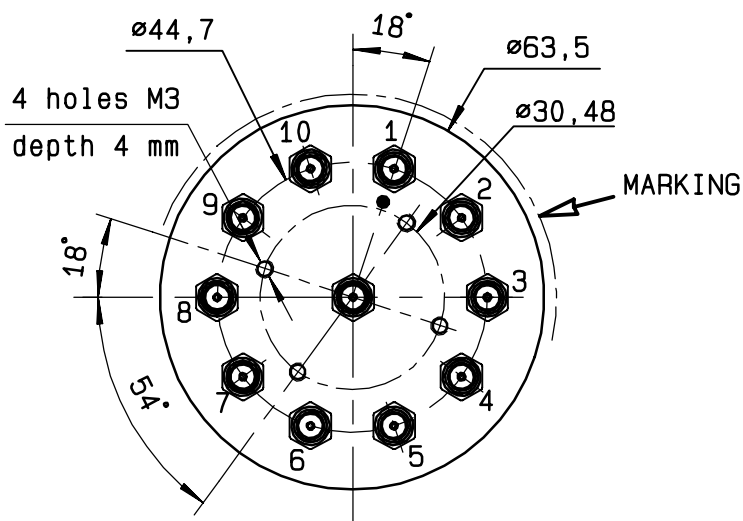
MECHANICAL CHARACTERISTICS

CONNECTORS : SMA female per MIL-C 39012
LIFE : 2.000.000 cycles per position
SWITCHING TIME (nominal voltage;25° C) : < 15 ms
CONSTRUCTION : splashproof
WEIGHT : < 360 g

ENVIRONMENTAL CHARACTERISTICS

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

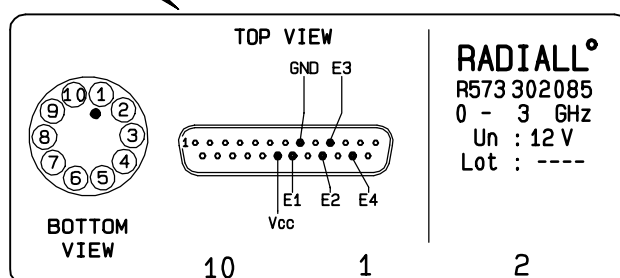
(* : average power at 25° C per RF path)



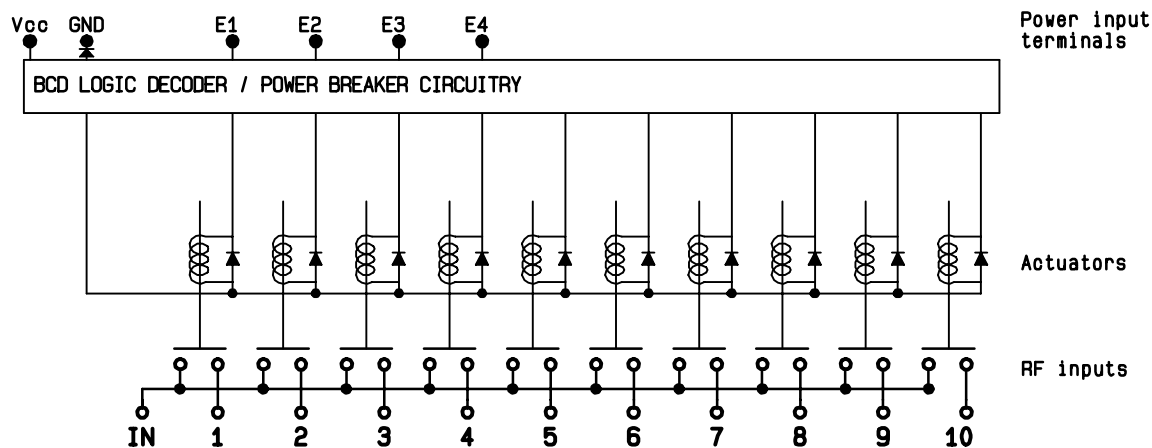
BCD TRUTH TABLE				
E4	E3	E2	E1	RF continuity
0	0	0	0	LAST SELECTED POS
1	1	1	1	ALL PORTS OPEN
0	0	0	1	IN $\leftrightarrow$ 1
0	0	1	0	IN $\leftrightarrow$ 2
0	0	1	1	IN $\leftrightarrow$ 3
0	1	0	0	IN $\leftrightarrow$ 4
0	1	0	1	IN $\leftrightarrow$ 5
0	1	1	0	IN $\leftrightarrow$ 6
0	1	1	1	IN $\leftrightarrow$ 7
1	0	0	0	IN $\leftrightarrow$ 8
1	0	0	1	IN $\leftrightarrow$ 9
1	0	1	0	IN $\leftrightarrow$ 10

MARKING

TOP VIEW (TERMINALS)



SCHEMATIC DIAGRAM



Mouser Electronics

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Radial:

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