

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

4112-9212



50Ω TERMINATED 18 GHz SMA LATCHING S.P.10T. SWITCH

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OPTIONS: INDICATOR /SELF CUT-OFF /AUTO RESET /BCD DECODER /SUPP.DIODES

RF CHARACTERISTICS

NUMBER OF WAYS : 10
FREQUENCY RANGE : 0 - 18 GHz
IMPEDANCE : 50 Ohms

FREQUENCY (GHz)	0 - 3	3 - 8	8 -12.4	12.4-15.5	15.5- 18
V.S.W.R <=	1.20	1.30	1.40	1.50	1.70
INSERT. LOSS <=	0.20 dB	0.30 dB	0.40 dB	0.50 dB	0.70 dB
ISOLATION >=	80 dB	70 dB	60 dB	60 dB	55 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%) : 500 mA
ACTUATOR VOLTAGE (Vcc) : 28V (24 to 30V) / NEGATIVE COMMON
TERMINALS : 25 pins D-SUB male connector
INDICATOR RATING : 1 W / 30 V / 100 mA
SELF CUT-OFF TIME : 40 ms < CT < 120 ms
BCD INPUTS (E) - High level : 3.5 to 5.5V / 800µA at 5V
- Low level : 0 to 1.5V / 20µA at 0.8V

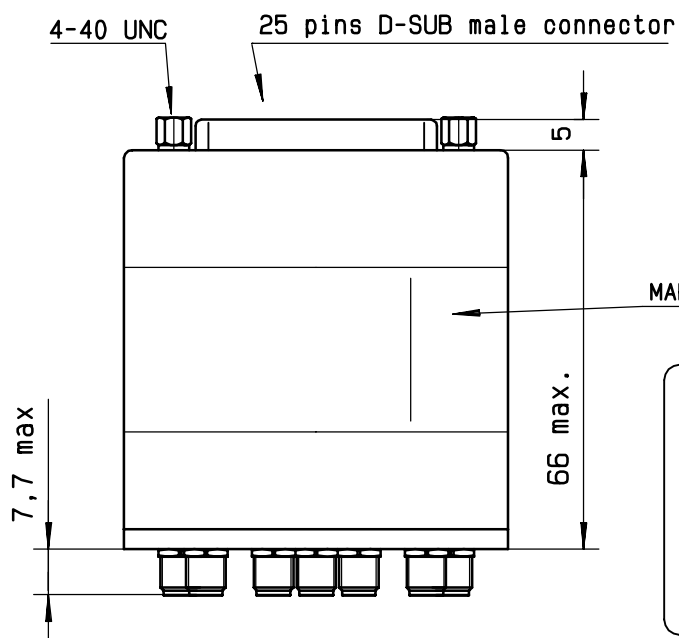
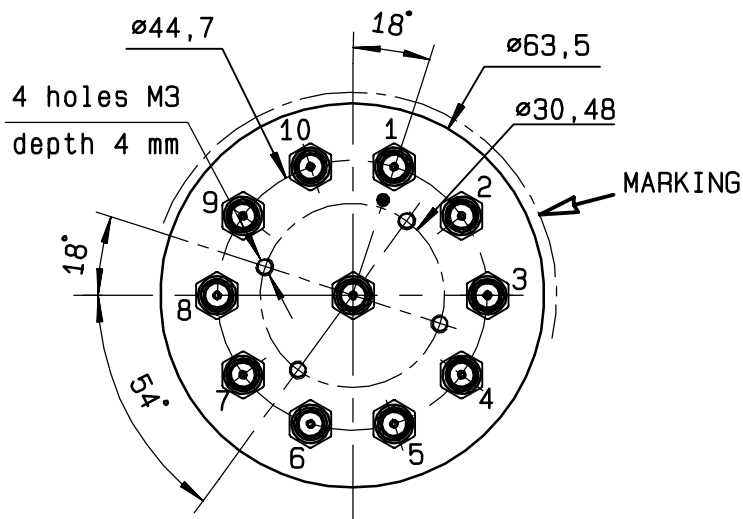
MECHANICAL CHARACTERISTICS

CONNECTORS : SMA female per MIL-C 39012
LIFE : 2.000.000 cycles per position
SWITCHING TIME (nominal voltage;25° C) : < 50 ms
CONSTRUCTION : splashproof
WEIGHT : < 360 g

ENVIRONMENTAL CHARACTERISTICS

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

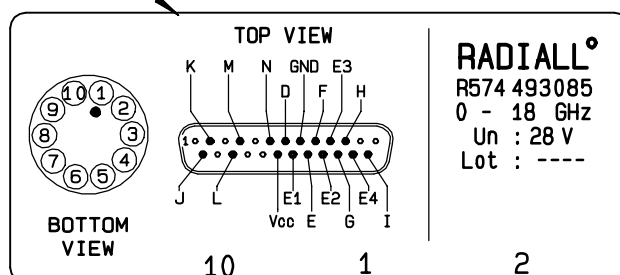
(* : average power at 25° C per RF path)



BCD TRUTH TABLE					
E4	E3	E2	E1	RF continuity	Ind.
0	0	0	0	ALL PORTS OPEN (FORCED RESET)	--
0	0	0	1	IN $\leftrightarrow$ 1	D.E
0	0	1	0	IN $\leftrightarrow$ 2	D.F
0	0	1	1	IN $\leftrightarrow$ 3	D.G
0	1	0	0	IN $\leftrightarrow$ 4	D.H
0	1	0	1	IN $\leftrightarrow$ 5	D.I
0	1	1	0	IN $\leftrightarrow$ 6	D.J
0	1	1	1	IN $\leftrightarrow$ 7	D.K
1	0	0	0	IN $\leftrightarrow$ 8	D.L
1	0	0	1	IN $\leftrightarrow$ 9	D.M
1	0	1	0	IN $\leftrightarrow$ 10	D.N

MARKING

TOP VIEW (TERMINALS)



SCHEMATIC DIAGRAM

