

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



50Ω TERMINATED 18 GHz SMA N/O S.P.10T. SWITCH

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OPTIONS:

R F 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 : NORMALLY OPEN
NOMINAL CURRENT AT 25° C (*10%) : 102 mA
ACTUATOR VOLTAGE (Vcc) : 28V (24 to 30V) / POSITIVE COMMON
TERMINALS : solder pins (250°C max./30 sec.)

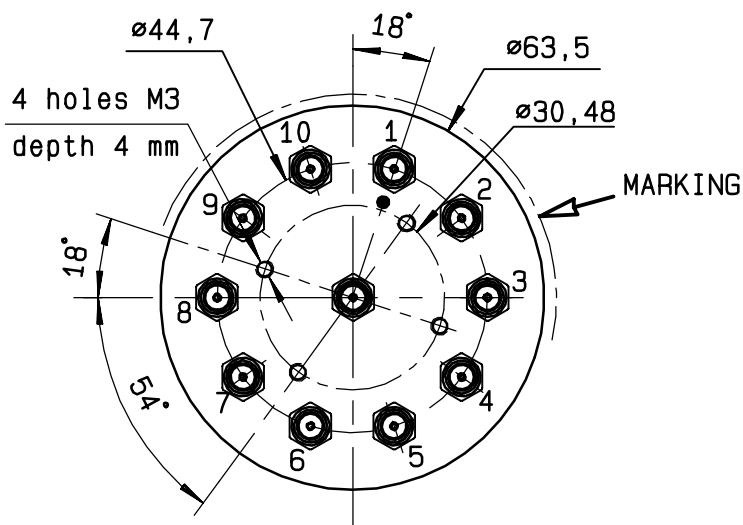
MECHANICAL CHARACTERISTICS

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

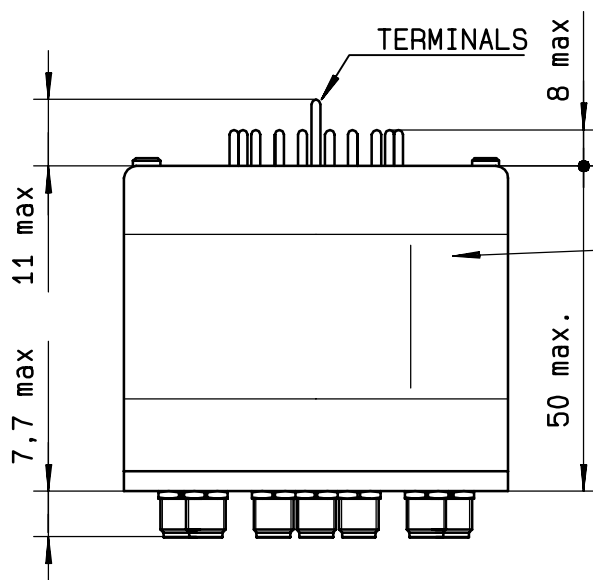
ENVIRONMENTAL CHARACTERISTICS

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

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

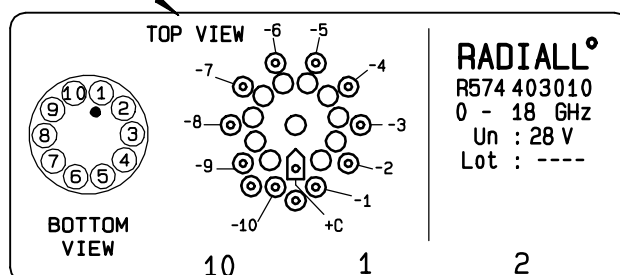


Voltage	RF continuity
+C -1	IN $\leftrightarrow$ 1
+C -2	IN $\leftrightarrow$ 2
+C -3	IN $\leftrightarrow$ 3
+C -4	IN $\leftrightarrow$ 4
+C -5	IN $\leftrightarrow$ 5
+C -6	IN $\leftrightarrow$ 6
+C -7	IN $\leftrightarrow$ 7
+C -8	IN $\leftrightarrow$ 8
+C -9	IN $\leftrightarrow$ 9
+C -10	IN $\leftrightarrow$ 10



MARKING

TOP VIEW (TERMINALS)



SCHEMATIC DIAGRAM

