

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



18 GHz SMA LATCHING S.P.10T. SWITCH

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OPTIONS : INDICATOR /SELF CUT-OFF /AUTO RESET / TTL DRIVE /SUPP.DIODES

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

ELECTRICAL CHARACTERISTICS

ACTUATOR : LATCHING
NOMINAL CURRENT AT 25° C (±10%) : 500 mA
ACTUATOR VOLTAGE (Vcc) : 28V (24 to 30V) / NEGATIVE COMMON
TERMINALS : solder pins (250 deg.C max./30 sec.)
INDICATOR RATING : 1 W / 30 V / 100 mA
SELF CUT-OFF TIME : 40 ms < CT < 120 ms
TTL INPUTS (E) - High level : 2.2 to 5.5V / 800µA at 5V
- Low level : 0 to 0.8V / 20µA at 0.8V

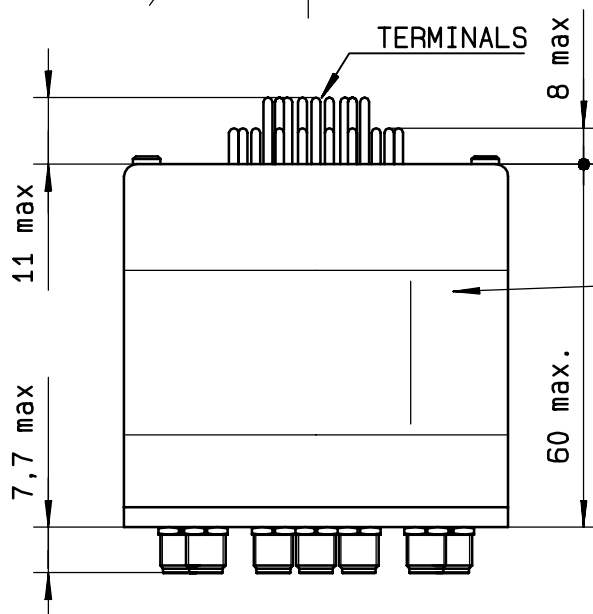
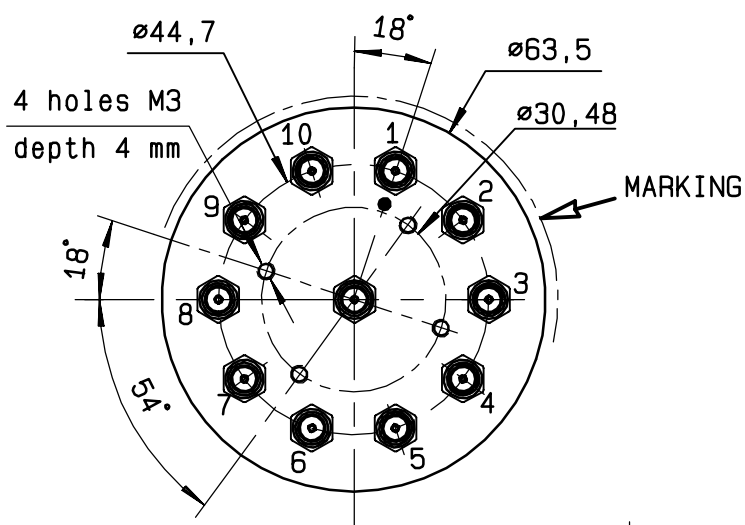
MECHANICAL CHARACTERISTICS

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

ENVIRONMENTAL CHARACTERISTICS

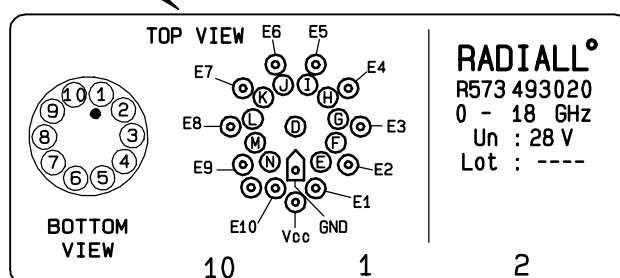
OPERATING TEMPERATURE RANGE (°C) : -40 , +85
STORAGE TEMPERATURE RANGE (°C) : -55 , +85

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



TTL input	RF continuity	Ind.
E1 = 1	IN $\longleftrightarrow$ 1	D.E
E2 = 1	IN $\longleftrightarrow$ 2	D.F
E3 = 1	IN $\longleftrightarrow$ 3	D.G
E4 = 1	IN $\longleftrightarrow$ 4	D.H
E5 = 1	IN $\longleftrightarrow$ 5	D.I
E6 = 1	IN $\longleftrightarrow$ 6	D.J
E7 = 1	IN $\longleftrightarrow$ 7	D.K
E8 = 1	IN $\longleftrightarrow$ 8	D.L
E9 = 1	IN $\longleftrightarrow$ 9	D.M
E10 = 1	IN $\longleftrightarrow$ 10	D.N

MARKING TOP VIEW (TERMINALS)



SCHEMATIC DIAGRAM

