



40 GHz SMA-2.9 LATCHING S.P.4 T. SWITCH

OPTIONS :

R F CHARACTERISTICS

NUMBER OF WAYS : 4
 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 : LATCHING
 NOMINAL CURRENT AT 25° C (±10%) : 320 mA / RESET : 1280 mA (**)
 ACTUATOR VOLTAGE (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON
 TERMINALS : solder pins (250°C max./30 sec.)

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 : < 180 g

ENVIRONMENTAL CHARACTERISTICS

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

(* : average power at 25° C per RF path)
 (** RESET : supply voltage time 1sec. max./duty cycle 10%)

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

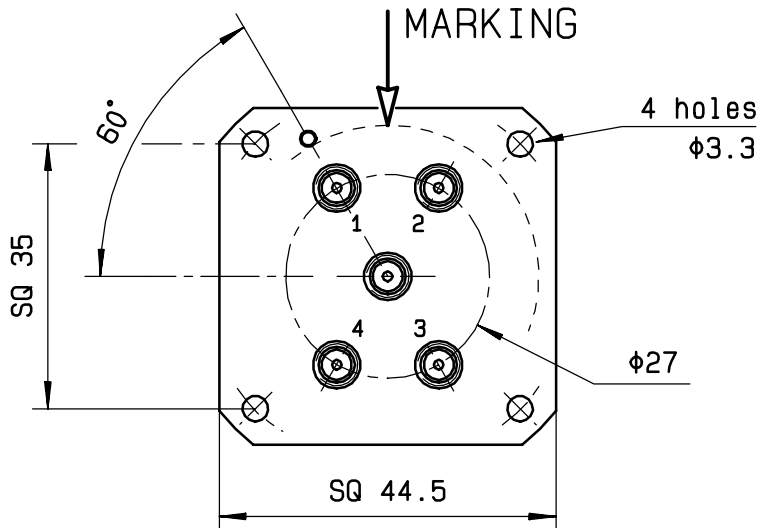
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DRAWING

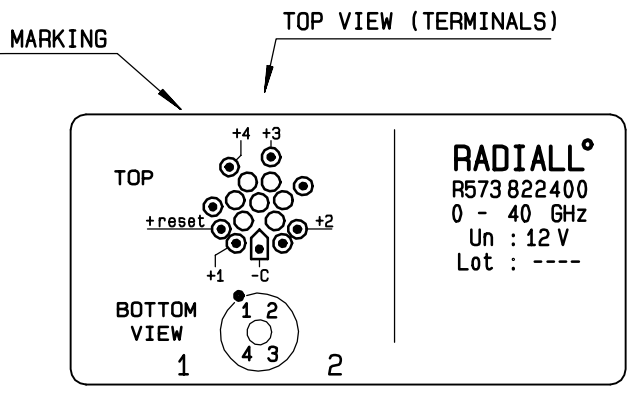
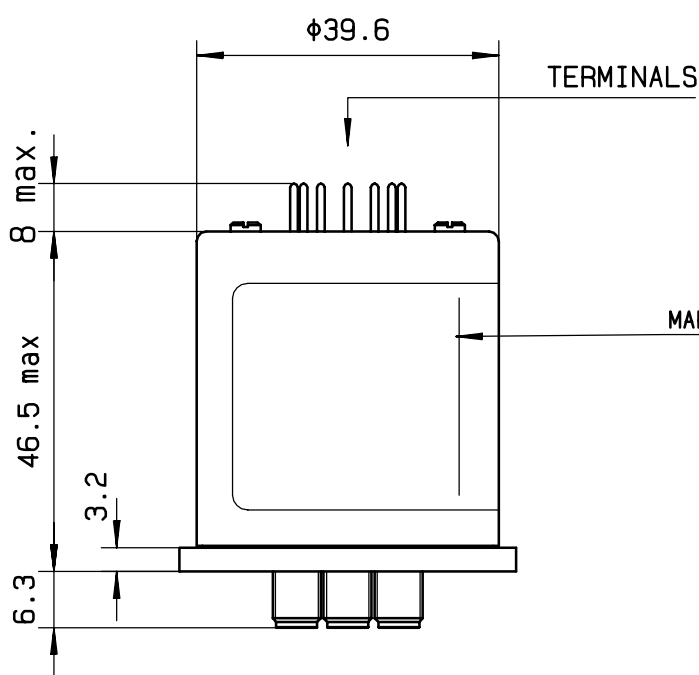
General tolerance: ± 0,5 mm

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Page 2/2



Voltage	RF continuity
-C +RESET	All ports open
-C +1	IN ↔ 1
-C +2	IN ↔ 2
-C +3	IN ↔ 3
-C +4	IN ↔ 4



SCHEMATIC DIAGRAM

