



12.4 GHz SMA LATCHING S.P.12T. SWITCH

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OPTIONS :

RF CHARACTERISTICS

NUMBER OF WAYS : 12
FREQUENCY RANGE : 0 - 12.4 GHz
IMPEDANCE : 50 Ohms

FREQUENCY (GHz)	0 - 3	3 - 8	8 -12.4
V.S.W.R <=	1.20	1.40	1.80
INSERT. LOSS <=	0.20 dB	0.35 dB	0.70 dB
ISOLATION >=	80 dB	70 dB	60 dB
AVER. POWER (*)	240 W	150 W	120 W

ELECTRICAL CHARACTERISTICS

ACTUATOR : LATCHING
NOMINAL CURRENT AT 25°C (*10%) : 125 mA / RESET : 1500 mA (**)
ACTUATOR VOLTAGE (Vcc) : 28V (24 to 30V) / POSITIVE COMMON
TERMINALS : 44 pins D-SUB male connector

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 : < 400 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%)

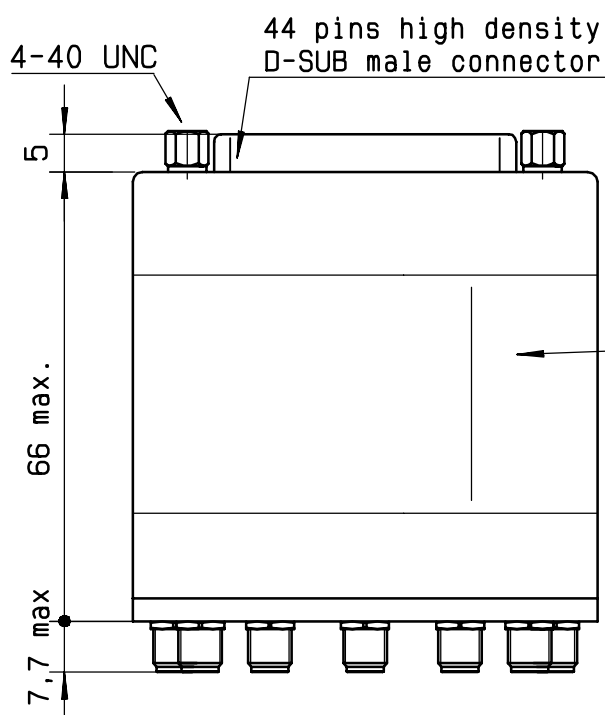
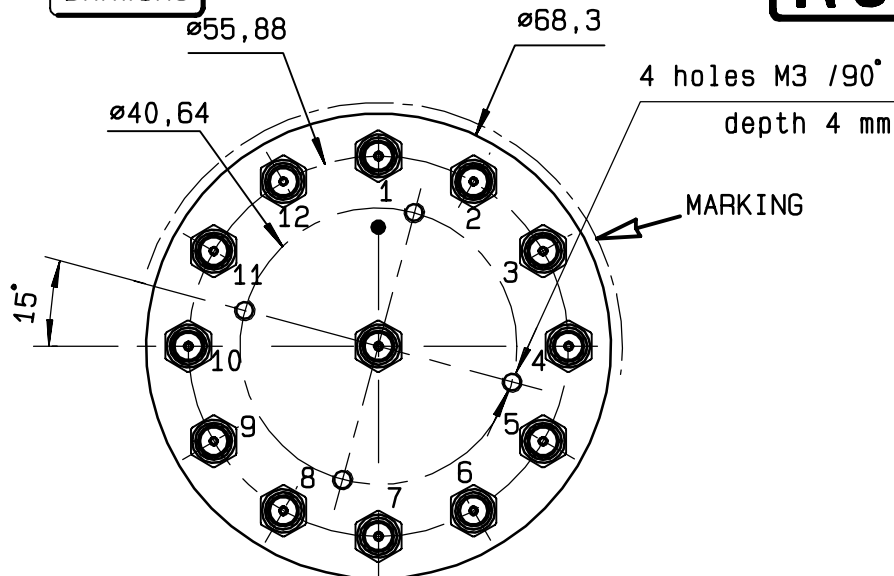
This information is given as an indication. In the continual goal to improve our products, we reserve the right to make any modifications judged necessary

DRAWING

General tolerance: $\pm 0,5$ mm

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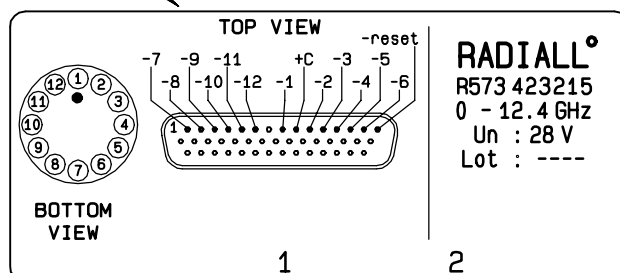
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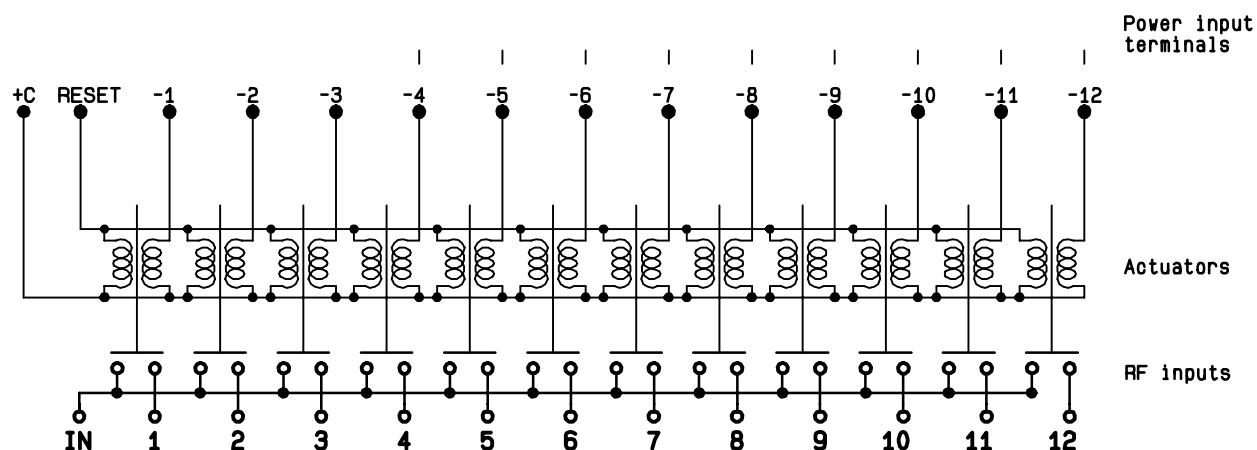
Voltage		RF continuity
+C -RESET		All ports open
+C	-1	IN ↔ 1
+C	-2	IN ↔ 2
+C	-3	IN ↔ 3
+C	-4	IN ↔ 4
+C	-5	IN ↔ 5
+C	-6	IN ↔ 6
+C	-7	IN ↔ 7
+C	-8	IN ↔ 8
+C	-9	IN ↔ 9
+C	-10	IN ↔ 10
+C	-11	IN ↔ 11
+C	-12	IN ↔ 12

MARKING

TOP VIEW (TERMINALS)



SCHEMATIC DIAGRAM



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