RADIALL® Microwave components | TECHNICAL DATA SHEET | R574402210

50Ω TERMINATED 12.4 GHz SMA N/O S.P.12T. SWITCH

OPTIONS:

R F 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

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%) : 250 mA
ACTUATOR VOLTAGE (Vcc) : 12V (10.2 to 13V) / 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 : < 400 g

ENVIRONMENTAL CHARACTERISTICS

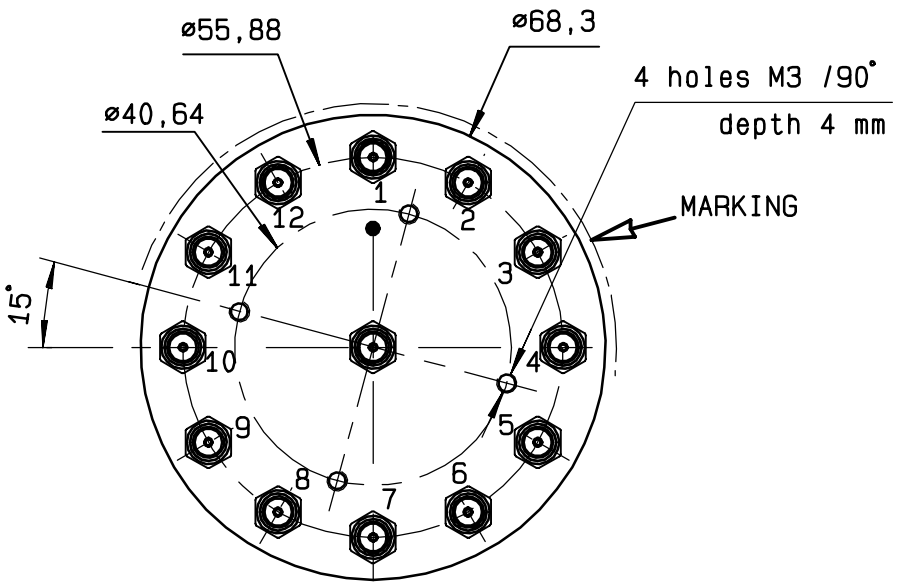
OPERATING TEMPERATURE RANGE (°C) : -40 , +85
STORAGE TEMPERATURE RANGE (°C) : -55 , +85

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

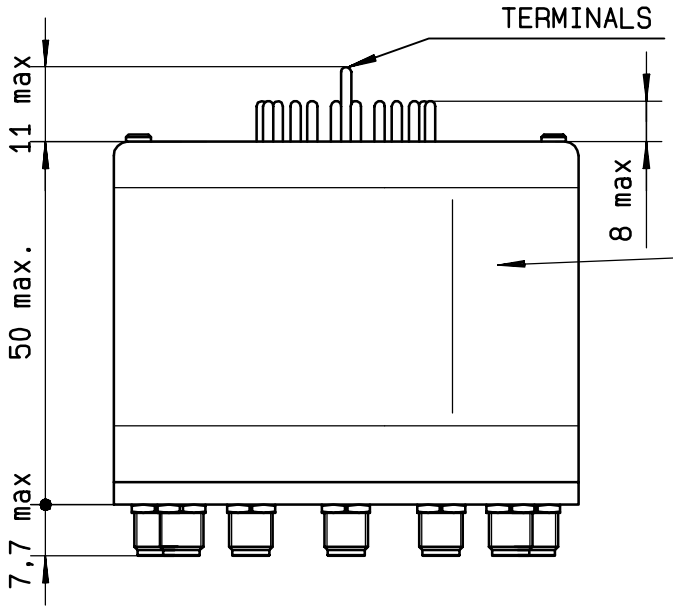
R574.402.210

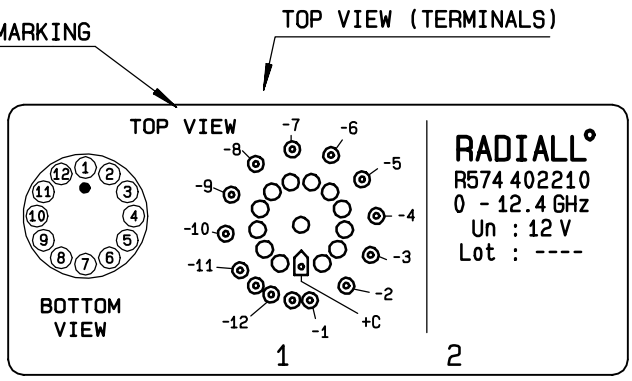
DRAWING

General tolerance: ± 0,5 mm

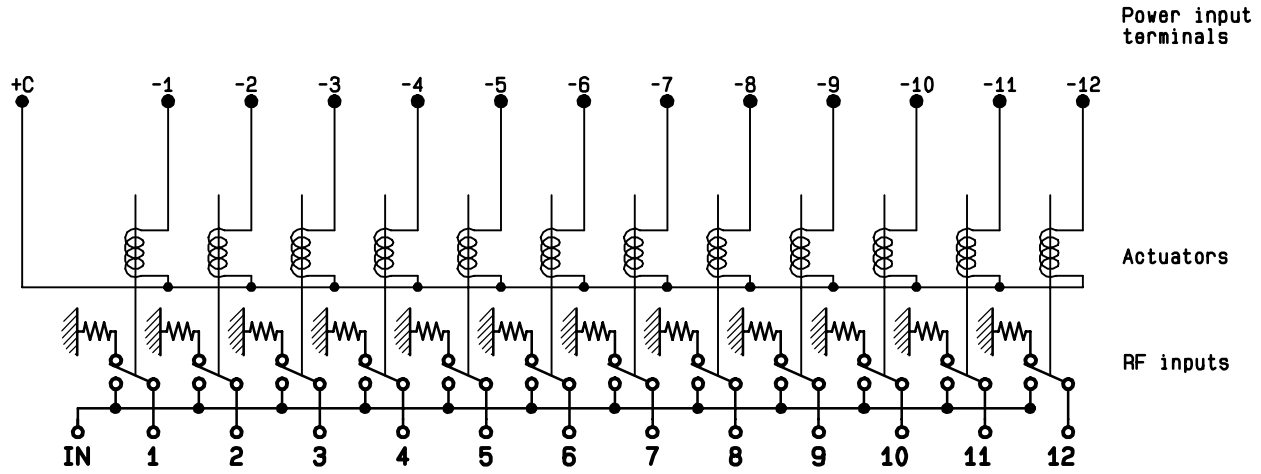


Voltage	RF continuity
+C -1	IN ⇔ 1
+C -2	IN ⇔ 2
+C -3	IN ⇔ 3
+C -4	IN ⇔ 4
+C -5	IN ⇔ 5
+C -6	IN ⇔ 6
+C -7	IN ⇔ 7
+C -8	IN ⇔ 8
+C -9	IN ⇔ 9
+C -10	IN ⇔ 10
+C -11	IN ⇔ 11
+C -12	IN ⇔ 12





SCHEMATIC DIAGRAM



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