



**50 Ω TERMINATED 12.4 GHz SMA LATCHING S.P.12T. SWITCH**

OPTIONS: INDICATOR

**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 : LATCHING  
 NOMINAL CURRENT AT 25° C (±10%) : 125 mA / RESET : 1500 mA (\*\*)  
 ACTUATOR VOLTAGE (Vcc) : 28V (24 to 30V) / NEGATIVE COMMON  
 TERMINALS : solder pins (250°C max./30 sec.)  
 INDICATOR RATING : 1 W / 30 V / 100 mA

**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**

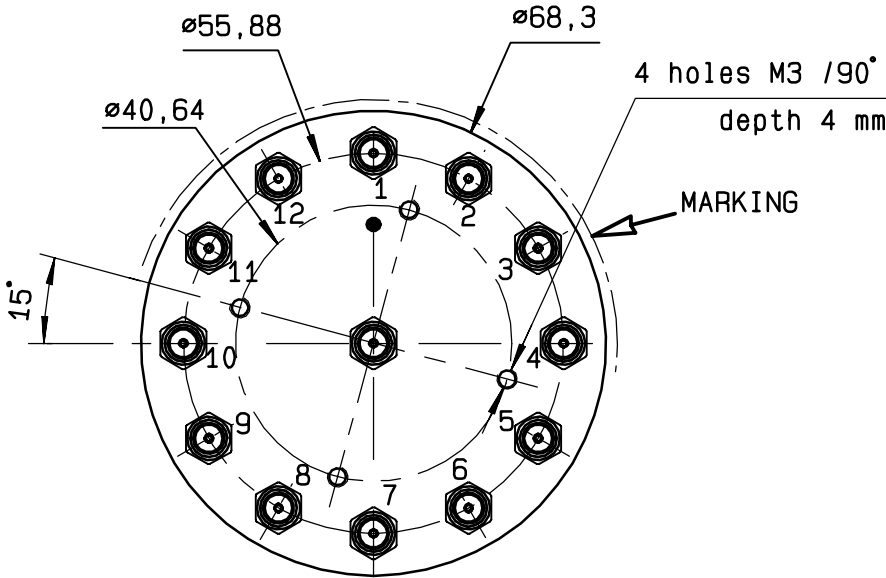
OPERATING TEMPERATURE RANGE (°C) : -40 , +85  
 STORAGE TEMPERATURE RANGE (°C) : -55 , +85

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

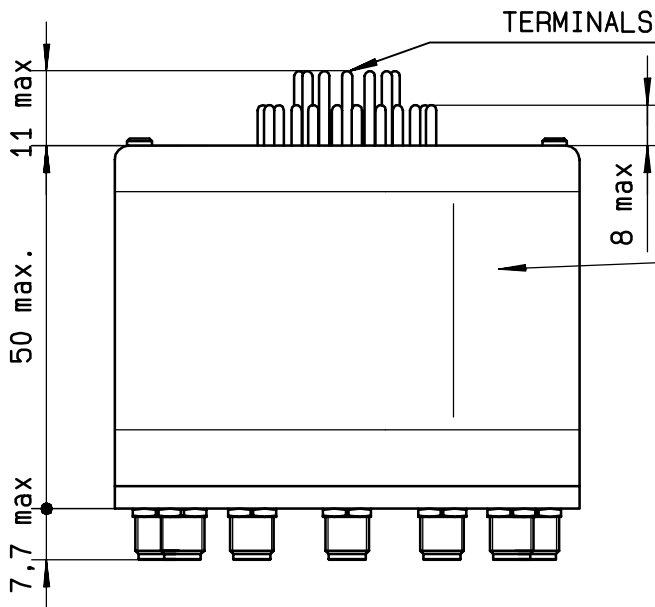
This information is given as an indication. In the continual goal to improve our products, we reserve the right to make any modifications judged necessary

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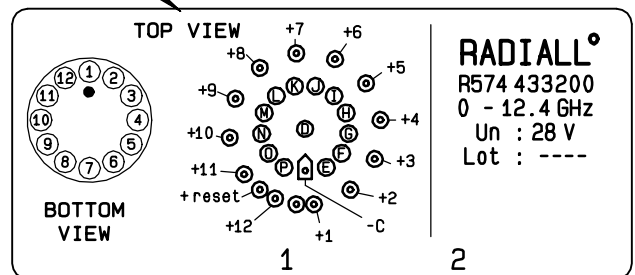
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Voltage	RF continuity	Ind.
<b>-C +RESET</b>	<b>All ports open</b>	--
-C +1	IN ↔ 1	D.E
-C +2	IN ↔ 2	D.F
-C +3	IN ↔ 3	D.G
-C +4	IN ↔ 4	D.H
-C +5	IN ↔ 5	D.I
-C +6	IN ↔ 6	D.J
-C +7	IN ↔ 7	D.K
-C +8	IN ↔ 8	D.L
-C +9	IN ↔ 9	D.M
-C +10	IN ↔ 10	D.N
-C +11	IN ↔ 11	D.O
-C +12	IN ↔ 12	D.P



TOP VIEW (TERMINALS)



**SCHEMATIC DIAGRAM**

