



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

OPTIONS: / TTL DRIVE /SUPP.DIODES

**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 (*)	120 W	80 W	60 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) / NEGATIVE COMMON  
TERMINALS : 44 pins D-SUB male connector  
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) : < 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)

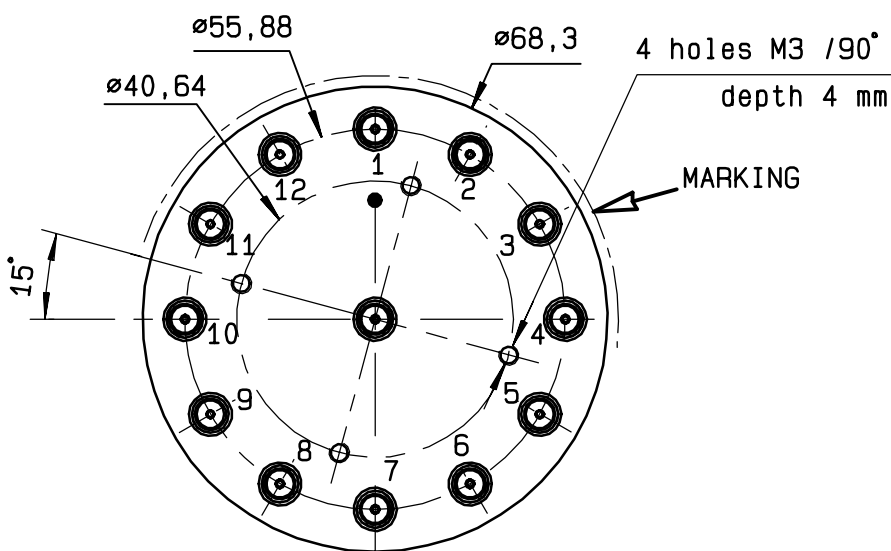
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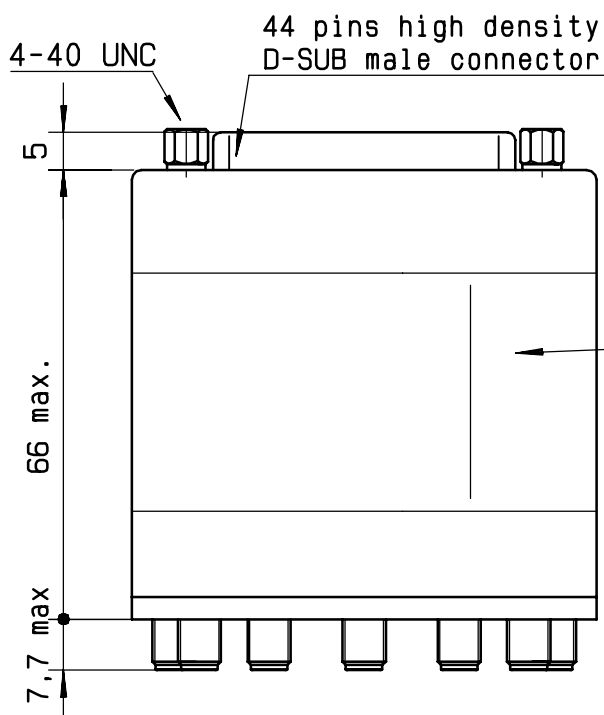
**DRAWING**

General tolerance: ± 0,5 mm

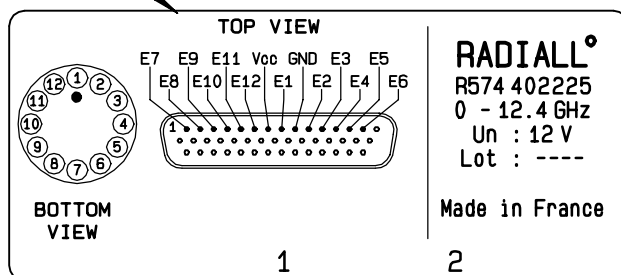
**R574 402 225**



TTL input	RF continuity
E1 = 1	IN ↔ 1
E2 = 1	IN ↔ 2
E3 = 1	IN ↔ 3
E4 = 1	IN ↔ 4
E5 = 1	IN ↔ 5
E6 = 1	IN ↔ 6
E7 = 1	IN ↔ 7
E8 = 1	IN ↔ 8
E9 = 1	IN ↔ 9
E10 = 1	IN ↔ 10
E11 = 1	IN ↔ 11
E12 = 1	IN ↔ 12



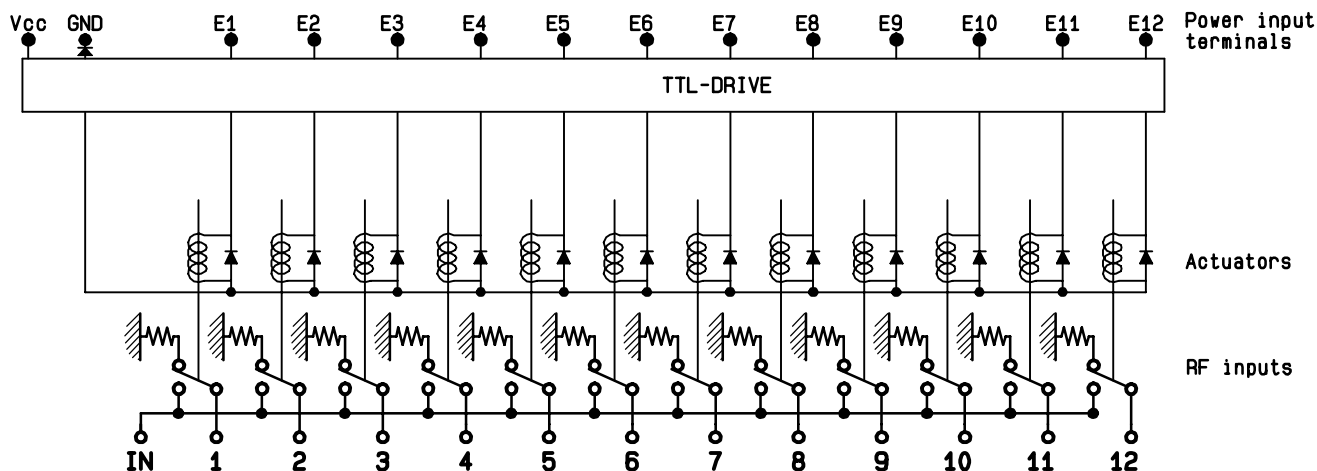
MARKING TOP VIEW (TERMINALS)



**RADIALL<sup>o</sup>**  
 R574 402225  
 0 - 12.4 GHz  
 Un : 12 V  
 Lot : ----

Made in France

**SCHEMATIC DIAGRAM**



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