



**50Ω TERMINATED    8 GHz    N    N/O    S.P.12T. SWITCH**

OPTIONS : INDICATOR / TTL DRIVE / SUPP.DIODES

**R F CHARACTERISTICS**

NUMBER OF WAYS : 12  
 FREQUENCY RANGE : 0 - 8 GHz  
 IMPEDANCE : 50 Ohms

FREQUENCY (GHz)	0 - 3	3 - 8
V.S.W.R <=	1.35	1.70
INSERT. LOSS <=	0.50 dB	1.00 dB
ISOLATION >=	70 dB	60 dB
AVER. POWER (*)	300 W	200 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 : solder pins (250°C max./30 sec.)  
 INDICATOR RATING : 1 W / 30 V / 100 mA  
 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 : N female per MIL-C 39012  
 LIFE : 2.000.000 cycles per position  
 SWITCHING TIME (nominal voltage;25° C) : < 15 ms  
 CONSTRUCTION : splashproof  
 WEIGHT : < 1100 g

**ENVIRONMENTAL CHARACTERISTICS**

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

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

(\*\*\* : V.S.W.R values are not applicable for internal terminations)

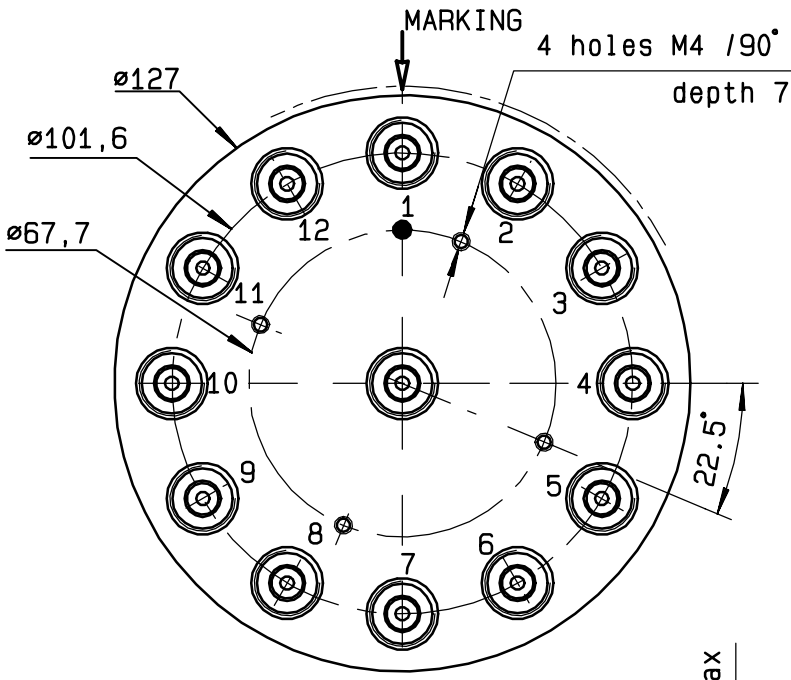
This information is given as an indication. In the continual goal to improve our products, we reserve the right to make any modifications judged necessary

4112-9212

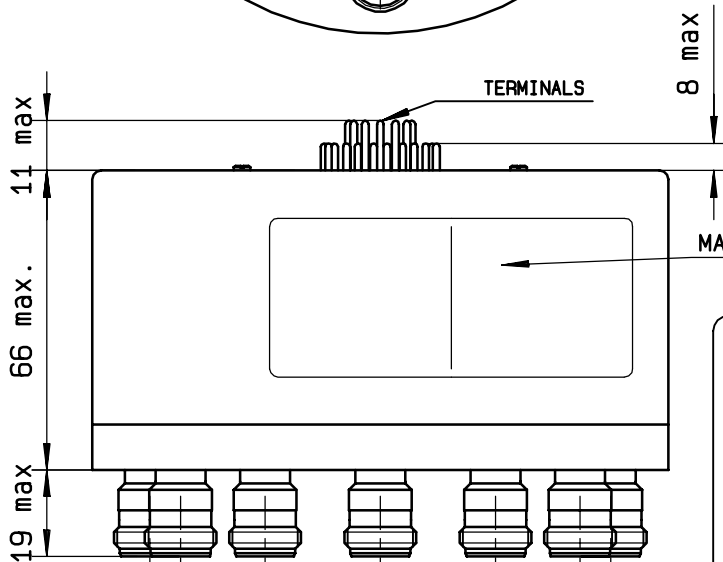
**DRAWING**

General tolerance: ± 0,5 mm

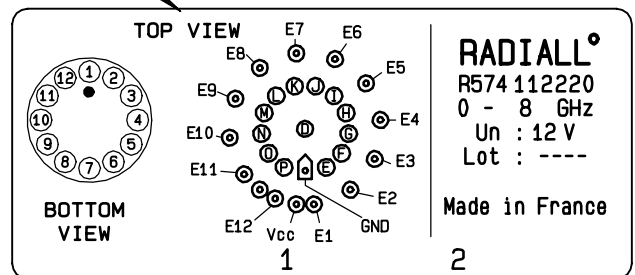
**R574.112.220**



TTL input	RF continuity	Ind.
E1 = 1	IN ↔ 1	D.E
E2 = 1	IN ↔ 2	D.F
E3 = 1	IN ↔ 3	D.G
E4 = 1	IN ↔ 4	D.H
E5 = 1	IN ↔ 5	D.I
E6 = 1	IN ↔ 6	D.J
E7 = 1	IN ↔ 7	D.K
E8 = 1	IN ↔ 8	D.L
E9 = 1	IN ↔ 9	D.M
E10 = 1	IN ↔ 10	D.N
E11 = 1	IN ↔ 11	D.O
E12 = 1	IN ↔ 12	D.P

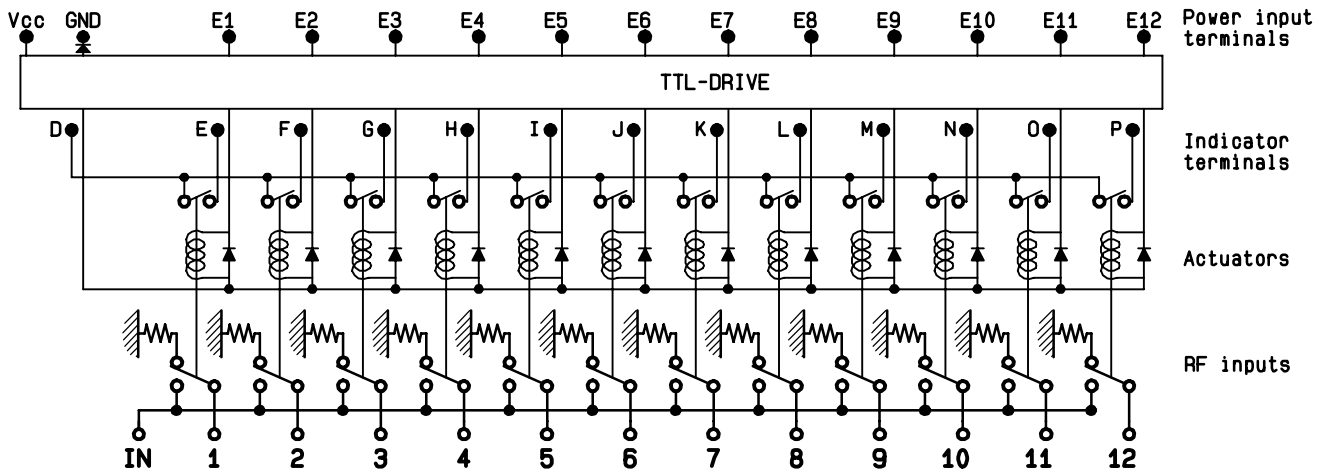


TOP VIEW (TERMINALS)



**RADIALL<sup>®</sup>**  
 R574 112220  
 0 - 8 GHz  
 Un : 12 V  
 Lot : ----  
 Made in France

**SCHEMATIC DIAGRAM**



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

4113-9212