

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



50  $\Omega$  TERMINATED 12.4 GHz SMA N/O S.P.12T. SWITCH

Page  
1 / 2

OPTIONS: INDICATOR

### 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    |

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 ( $\pm 10\%$ ) : 102 mA  
ACTUATOR VOLTAGE (Vcc) : 28V (24 to 30V) / POSITIVE 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)

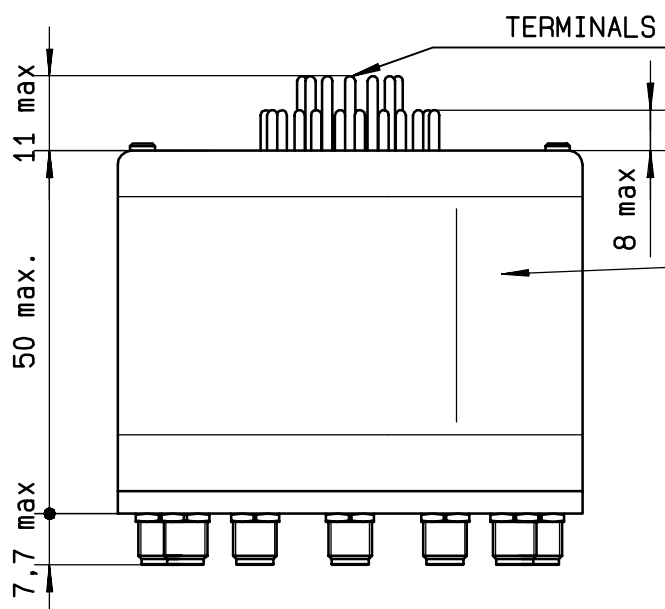
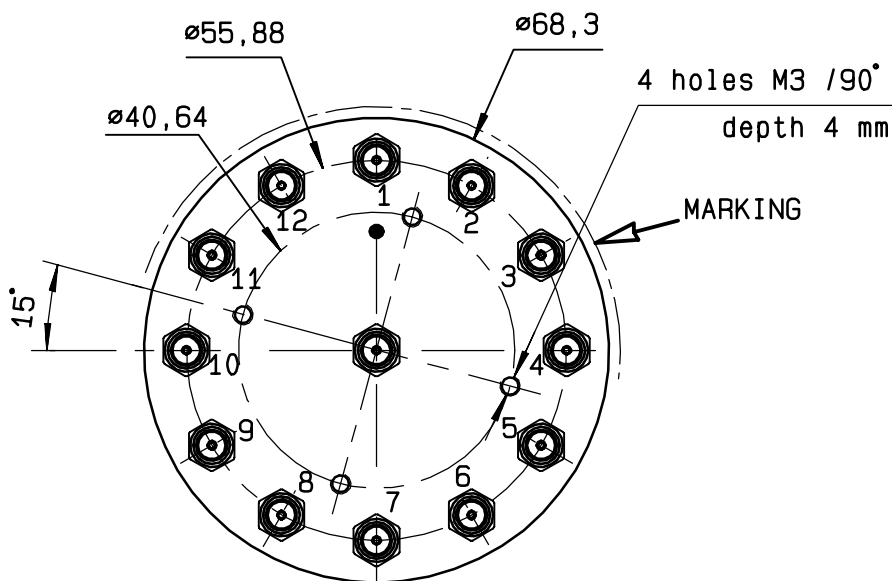
This information is given as an indication. In the continual goal to improve our products, we reserve the right to make any modifications judged necessary

# DRAWING

General tolerance: ± 0,5 mm

# R574 413210

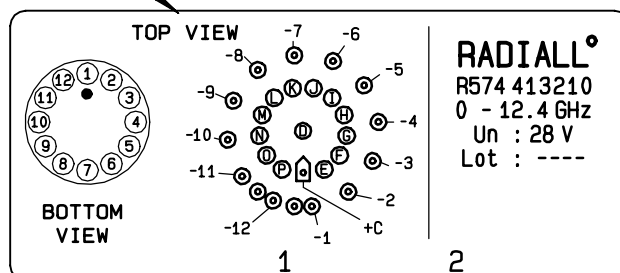
Page  
2/2



| Voltage | RF continuity | Ind. |
|---------|---------------|------|
| +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  |

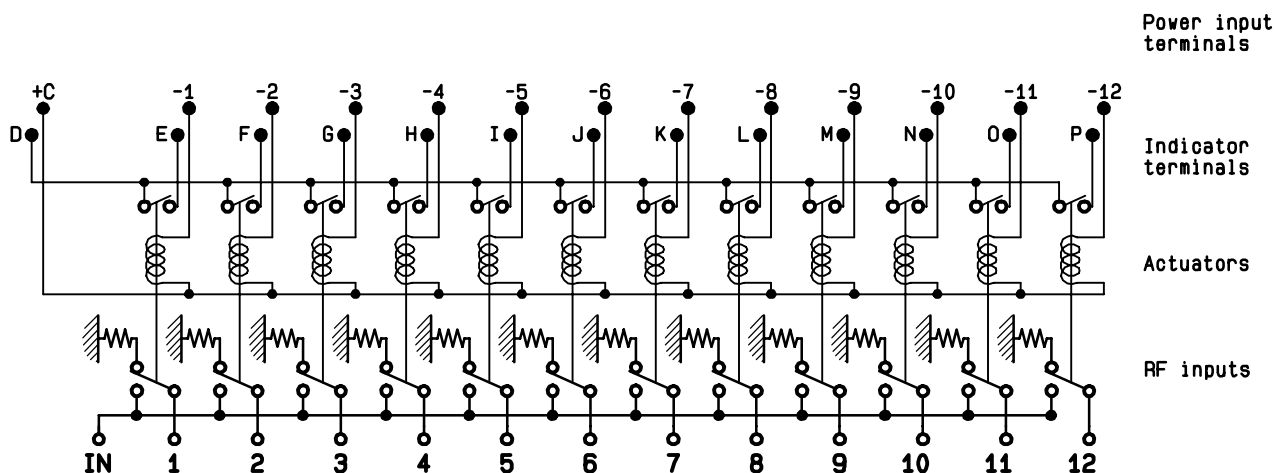
MARKING

TOP VIEW (TERMINALS)



**RADIAL**<sup>®</sup>  
R574 413210  
0 - 12.4 GHz  
Un : 28 V  
Lot : ----

# SCHEMATIC DIAGRAM



ISSUE 22.Jan.08

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Radial:

[R574413210](#)