

4112-9212 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    18 GHz    SMA    N/O    S.P.3 T. SWITCH

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OPTIONS: /SUPP.DIODES

### RF CHARACTERISTICS

NUMBER OF WAYS : 3  
FREQUENCY RANGE : 0 - 18 GHz  
IMPEDANCE : 50 Ohms

|                 |         |         |         |          |
|-----------------|---------|---------|---------|----------|
| FREQUENCY (GHz) | 0 - 3   | 3 - 8   | 8 -12.4 | 12.4- 18 |
| V.S.W.R <=      | 1.20    | 1.30    | 1.40    | 1.50     |
| INSERT. LOSS <= | 0.20 dB | 0.30 dB | 0.40 dB | 0.50 dB  |
| ISOLATION >=    | 80 dB   | 70 dB   | 60 dB   | 60 dB    |
| AVER. POWER (*) | 240 W   | 150 W   | 120 W   | 100 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.)

### 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 : < 250 g

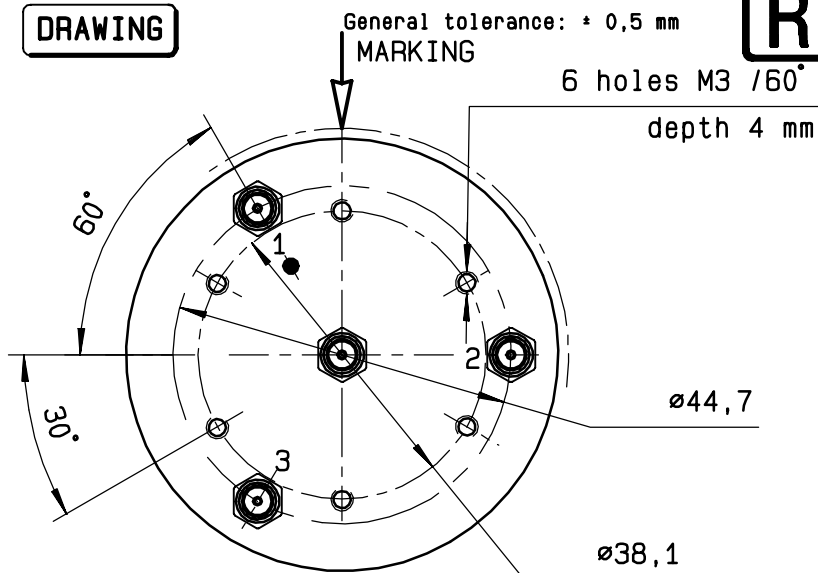
### ENVIRONMENTAL CHARACTERISTICS

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

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

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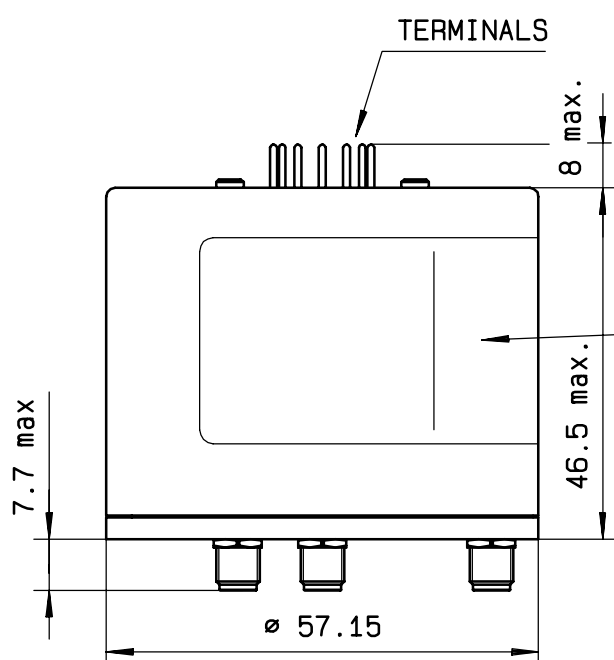
## DRAWING



# R574 402.330

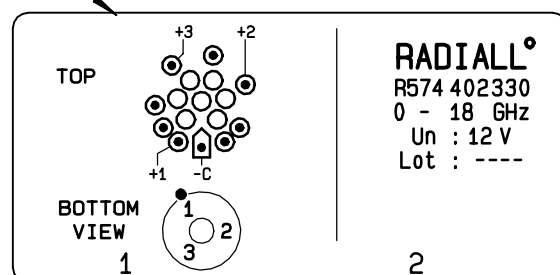
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| Voltage | RF continuity          |
|---------|------------------------|
| -C +1   | IN $\leftrightarrow$ 1 |
| -C +2   | IN $\leftrightarrow$ 2 |
| -C +3   | IN $\leftrightarrow$ 3 |

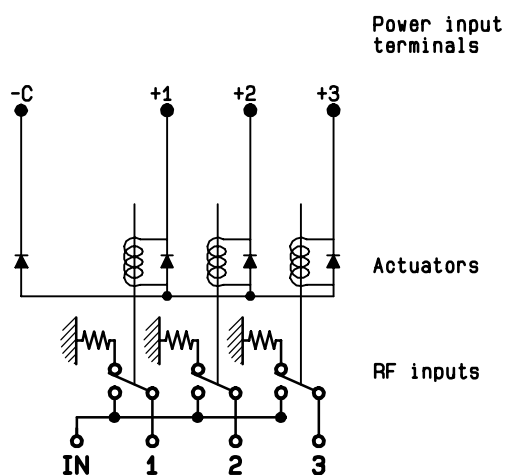


MARKING

TOP VIEW (TERMINALS)



## SCHEMATIC DIAGRAM



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