| PAGE **1/2** | ISSUE **22-03-22** | SERIE : **SPnT** | PART NUMBER : **R574433400** |
|---|---|---|---|

### RF CHARACTERISTICS

Number of ways     : **4**
Frequency range     : **0 - 18 GHz**
Impedance     : **50 Ohms**

| Frequency (GHz) | DC - 3 | 3 - 8 | 8 - 12.4 | 12.4 - 18 |
|---|---|---|---|---|
| VSWR max | 1,20 | 1,30 | 1,40 | 1,50 |
| Insertion loss max | 0.20 dB | 0.30 dB | 0.40 dB | 0.50 dB |
| Isolation min | 80 dB | 70 dB | 60 dB | 60 dB |
| Average power (*) | 240 W | 150 W | 120 W | 100 W |

TERMINATION IMPEDANCE     : **50 Ohms**
TERM. AVG. POWER AT 25° C     : **1 W per termination / 3 W total power**

### ELECTRICAL CHARACTERISTICS

Actuator     : **LATCHING**
Nominal current **     : **125 mA / RESET : 500 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 million cycles per position**
Switching Time***     : **< 15 ms**
Construction     : **Splashproof**
Weight     : **< 250 g**

### ENVIRONMENTAL CHARACTERISTICS

Operating temperature range     : **-40°C to +85°C**
Storage temperature range     : **-55°C to +85°C**

(*     Average power at 25°C per RF Path)
(**     At 25° C ±10%)
(***     Nominal voltage ; 25° C)
(****     Reset : supply voltage time 1sec. max. / duty cycle 10%)
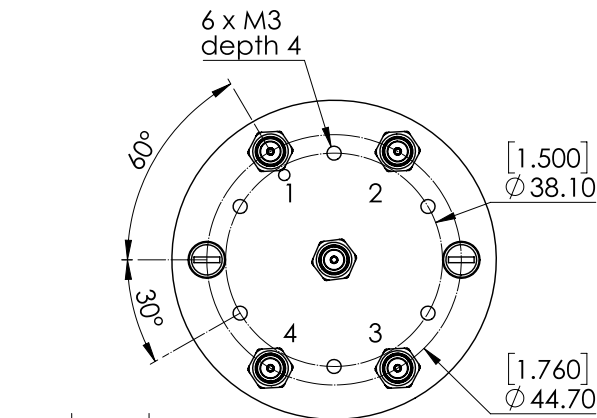
DRAWING

6 x M3
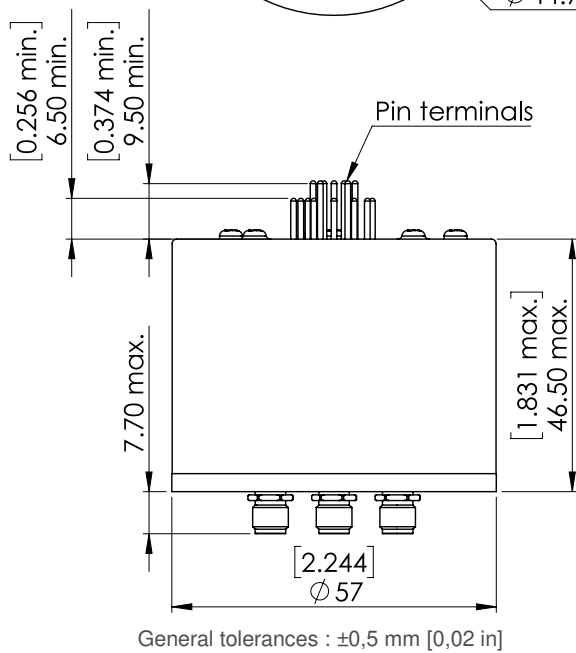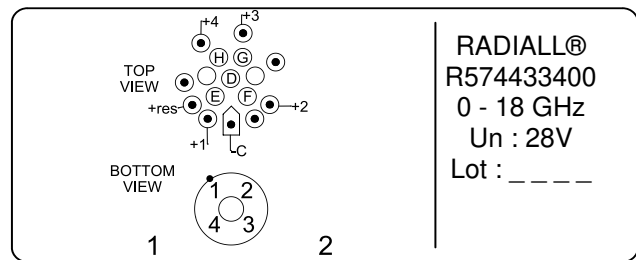depth 4

60°

1    2

30°

4    3

[1.500]
⌀ 38.10

[1.760]
⌀ 44.70

| Voltage | RF Continuity | Ind. |
|---------|---------------|------|
| -C  +RESET | All ports open | - - |
| -C  +1 | IN ↔ 1 | D.E |
| -C  +2 | IN ↔ 2 | D.F |
| -C  +3 | IN ↔ 3 | D.G |
| -C  +4 | IN ↔ 4 | D.H |

[0.256 min.]
6.50 min.

[0.374 min.]
9.50 min.

Pin terminals

7.70 max.

[1.831 max.]
46.50 max.

[2.244]
⌀ 57

LABEL

TOP
VIEW

+4   +3

H  G
D
E  F

+res
+1
C

+2

BOTTOM
VIEW

1   2
4   3

1          2

RADIALL®
R574433400
0 - 18 GHz
Un : 28V
Lot : _ _ _ _

General tolerances : ±0,5 mm [0,02 in]

SCHEMATIC DIAGRAM

-C   +RESET   +1      +2              +n      Power input
D        E      F                               terminals

Indicator
terminals

Actuators

IN      1        2             n       RF inputs