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ISSUE 17.12.14

SERIE : SPnT

PART NUMBER : **R573493285**

## RF CHARACTERISTICS

Number of ways : **12**  
 Frequency range : **0 - 12.4 GHz**  
 Impedance : **50 Ohms**

| Frequency (GHz)    | DC - 3         | 3 - 8          | 8 - 12.4       |
|--------------------|----------------|----------------|----------------|
| VSWR max           | <b>1.20</b>    | <b>1.40</b>    | <b>1.60</b>    |
| Insertion loss max | <b>0.20 dB</b> | <b>0.40 dB</b> | <b>0.60 dB</b> |
| Isolation min      | <b>80 dB</b>   | <b>70 dB</b>   | <b>60 dB</b>   |
| Average power (*)  | <b>240 W</b>   | <b>150 W</b>   | <b>120 W</b>   |

## ELECTRICAL CHARACTERISTICS

Actuator : **LATCHING**  
 Nominal current \*\* : **500 mA**  
 Actuator voltage (Vcc) : **28V (24 to 30V)**  
 Terminals : **44 pins D-SUB male connector**  
 Indicator rating : **1 W / 30 V / 100 mA**  
 Self cut-off time : **40 ms < CT < 120 ms**  
 BCD inputs (E) - High level : **3.5 to 5.5 V / 800µA at 5.5 V**  
 - Low level : **0 to 1.5 V / 20µA at 0.8 V**

## MECHANICAL CHARACTERISTICS

Connectors : **SMA female per MIL-C 39012**  
 Life : **2.000.000 cycles per position**  
 Switching Time\*\*\* : **< 50 ms**  
 Construction : **Splashproof**  
 Weight : **< 400 g**

## ENVIRONMENTAL CHARACTERISTICS

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

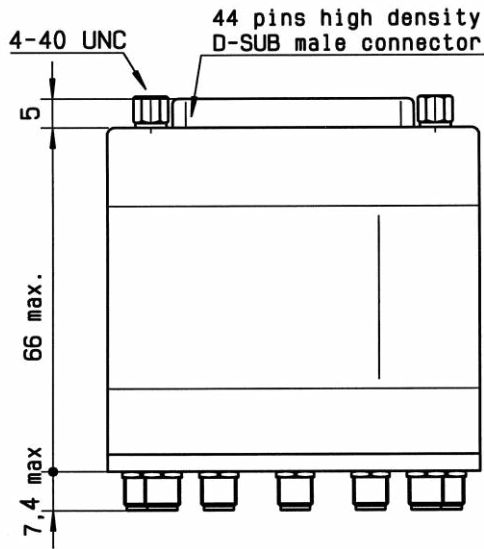
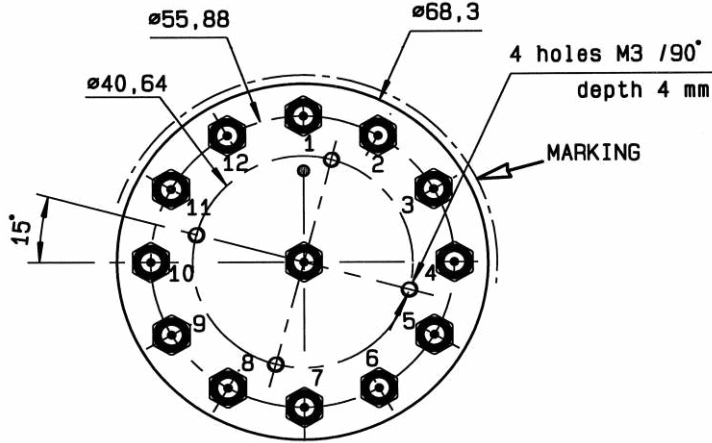
(\* Average power at 25°C per RF Path)

(\*\* At 25° C ±10%)

(\*\*\* Nominal voltage ; 25° C)

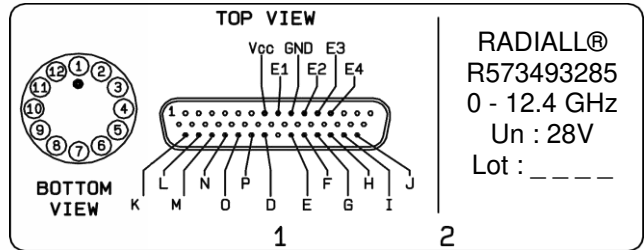


DRAWING



| E4 | E3 | E2 | E1 | RF continuity                 | Ind. |
|----|----|----|----|-------------------------------|------|
| 0  | 0  | 0  | 0  | All ports open (Forced Reset) | --   |
| 0  | 0  | 0  | 1  | IN ↔ 1                        | D.E  |
| 0  | 0  | 1  | 0  | IN ↔ 2                        | D.F  |
| 0  | 0  | 1  | 1  | IN ↔ 3                        | D.G  |
| 0  | 1  | 0  | 0  | IN ↔ 4                        | D.H  |
| 0  | 1  | 0  | 1  | IN ↔ 5                        | D.I  |
| 0  | 1  | 1  | 0  | IN ↔ 6                        | D.J  |
| 0  | 1  | 1  | 1  | IN ↔ 7                        | D.K  |
| 1  | 0  | 0  | 0  | IN ↔ 8                        | D.L  |
| 1  | 0  | 0  | 1  | IN ↔ 9                        | D.M  |
| 1  | 0  | 1  | 0  | IN ↔ 10                       | D.N  |
| 1  | 0  | 1  | 1  | IN ↔ 11                       | D.O  |
| 1  | 1  | 0  | 0  | IN ↔ 12                       | D.P  |

**LABEL**



**RADIALL®**  
R573493285  
0 - 12.4 GHz  
Un : 28V  
Lot : \_\_\_\_\_

General tolerances : ±0.5 mm



SCHEMATIC DIAGRAM

