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ISSUE 17.12.14

SERIE : SPnT

PART NUMBER : R573403085

RF CHARACTERISTICS

Number of ways : 10
Frequency range : 0 - 18 GHz
Impedance : 50 Ohms

| Frequency (GHz) | DC - 3 | 3 - 8 | 8 - 12.4 | 12.4 - 15.5 | 15.5 - 18 |
|--------------------|---------|---------|----------|-------------|-----------|
| VSWR max | 1.20 | 1.30 | 1.40 | 1.50 | 1.70 |
| Insertion loss max | 0.20 dB | 0.30 dB | 0.40 dB | 0.50 dB | 0.70 dB |
| Isolation min | 80 dB | 70 dB | 60 dB | 60 dB | 55 dB |
| Average power (*) | 240 W | 150 W | 120 W | 110 W | 100 W |

ELECTRICAL CHARACTERISTICS

Actuator : NORMALLY OPEN
Nominal current ** : 102 mA
Actuator voltage (Vcc) : 28V (24 to 30V)
Terminals : 25 pins D-SUB male connector
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*** : < 15 ms
Construction : Splashproof
Weight : < 360 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)



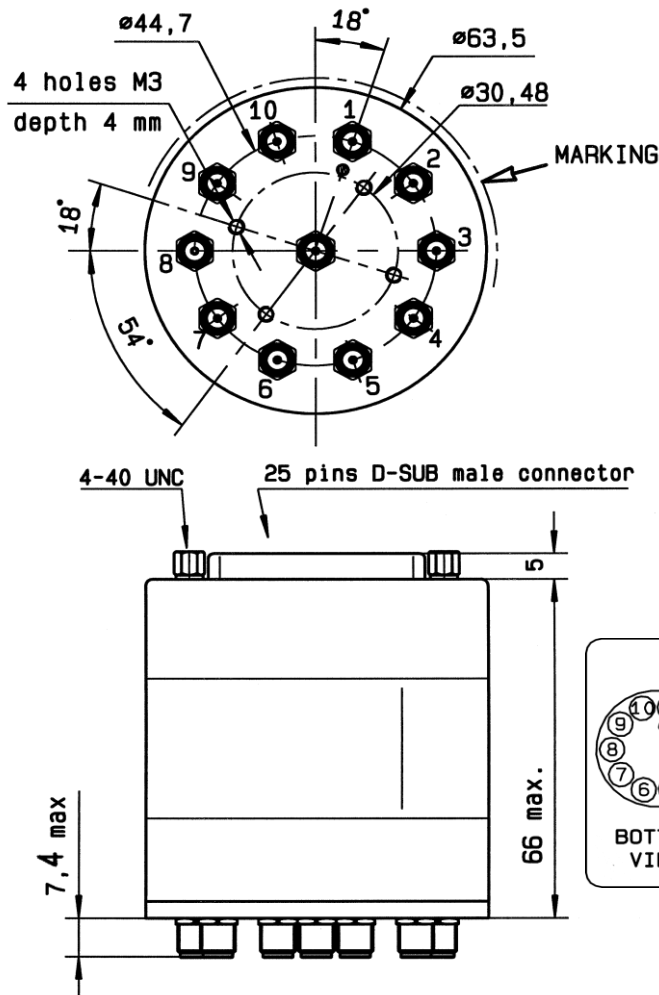
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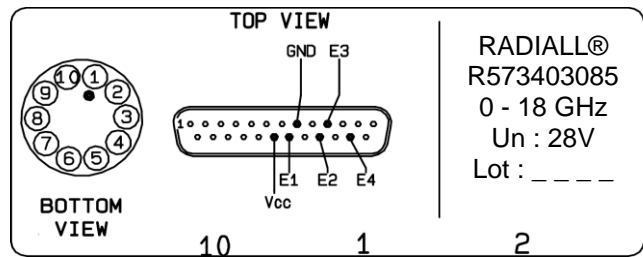
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DRAWING



| BCD TRUTH TABLE | | | | |
|-----------------|----|----|----|----------------|
| E4 | E3 | E2 | E1 | RF continuity |
| 0 | 0 | 0 | 0 | Last Position |
| 1 | 1 | 1 | 1 | All ports open |
| 0 | 0 | 0 | 1 | IN ↔ 1 |
| 0 | 0 | 1 | 0 | IN ↔ 2 |
| 0 | 0 | 1 | 1 | IN ↔ 3 |
| 0 | 1 | 0 | 0 | IN ↔ 4 |
| 0 | 1 | 0 | 1 | IN ↔ 5 |
| 0 | 1 | 1 | 0 | IN ↔ 6 |
| 0 | 1 | 1 | 1 | IN ↔ 7 |
| 1 | 0 | 0 | 0 | IN ↔ 8 |
| 1 | 0 | 0 | 1 | IN ↔ 9 |
| 1 | 0 | 1 | 0 | IN ↔ 10 |

LABEL



General tolerances : ±0.5 mm

SCHEMATIC DIAGRAM

