

Description : SP12T 12.4GHz SMA LATCHING 28V D-SUB SWITCH
 Options : SELF CUT-OFF / AUTO RESET / TTL DRIVE / SUPP. DIODES

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RF CHARACTERISTICS

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

| Frequency (GHz) | 0 - 3 | 3 - 8 | 8 - 12.4 |
|--------------------|---------|---------|----------|
| VSWR max | 1.20 | 1.40 | 1.60 |
| Insertion loss max | 0.20 dB | 0.40 dB | 0.60 dB |
| Isolation min | 80 dB | 70 dB | 60 dB |
| Average power (*) | 240 W | 150 W | 120 W |

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING
 Nominal current ** : 500 mA
 Actuator voltage (Vcc) : 28V (24 to 30V) / NEGATIVE COMMON
 Terminals : 44 pins D-SUB male connector
 Self cut-off time : 40 ms < CT < 120 ms
 TTL inputs (E) - High level : 2.2 to 5.5 V / 800µA at 5.5 V
 - Low level : 0 to 0.8 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

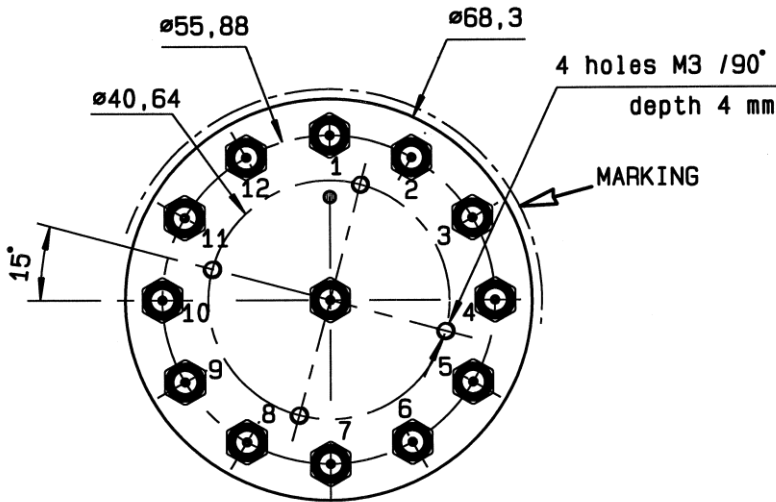
ENVIRONMENTAL CHARACTERISTICS

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

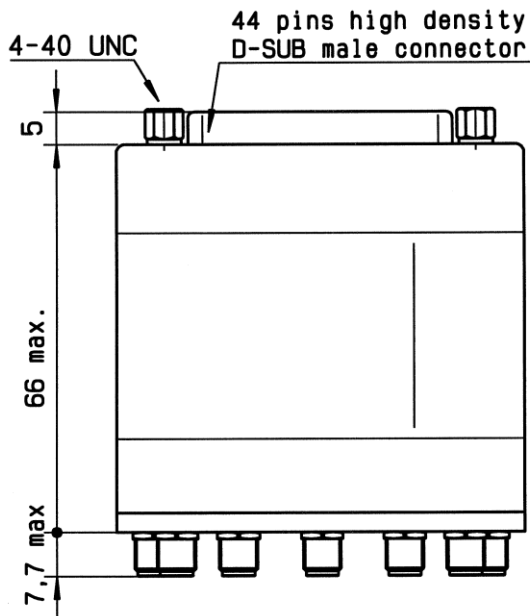


(* Average power at 25°C per RF Path)
 (** At 25° C ±10%)
 (***) Nominal voltage ; 25° C)

DRAWING

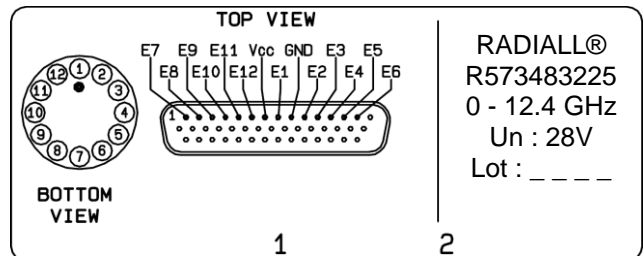


| TTL input | RF Continuity |
|-----------|---------------|
| E1 = 1 | IN ↔ 1 |
| E2 = 1 | IN ↔ 2 |
| E3 = 1 | IN ↔ 3 |
| E4 = 1 | IN ↔ 4 |
| E5 = 1 | IN ↔ 5 |
| E6 = 1 | IN ↔ 6 |
| E7 = 1 | IN ↔ 7 |
| E8 = 1 | IN ↔ 8 |
| E9 = 1 | IN ↔ 9 |
| E10 = 1 | IN ↔ 10 |
| E11 = 1 | IN ↔ 11 |
| E12 = 1 | IN ↔ 12 |

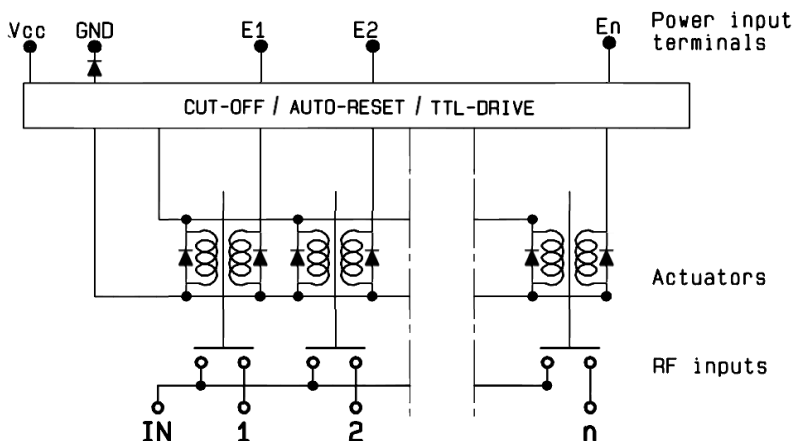


General tolerances : ±0.5 mm

LABEL



SCHEMATIC DIAGRAM



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