

Description : SP12T 12.4GHz SMA LATCHING 28V 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 : solder pins (250°C max. / 30 sec.)
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

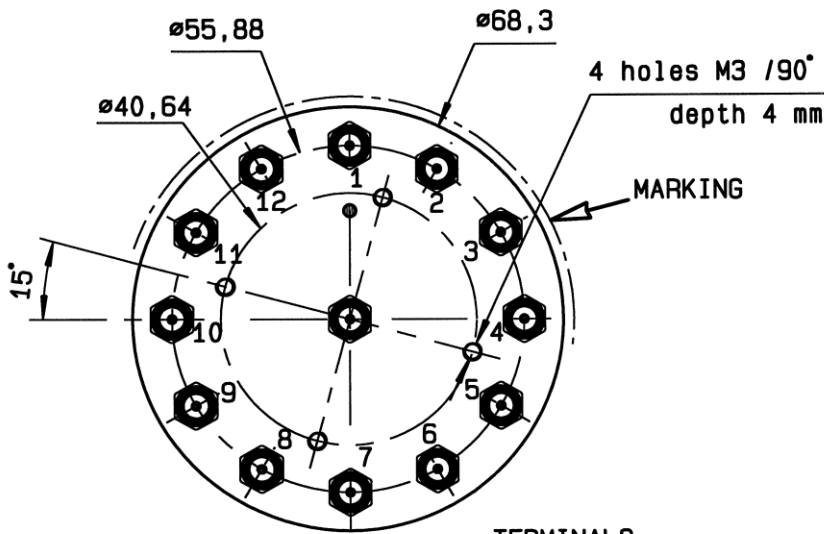
ENVIRONMENTAL CHARACTERISTICS

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

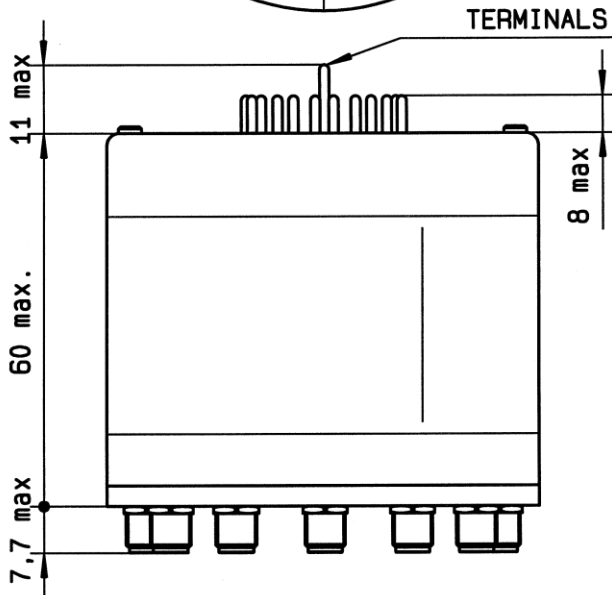


(* Average power at 25°C per RF Path)
(** At 25° C ±10%)
(*** Nominal voltage ; 25° C)

DRAWING

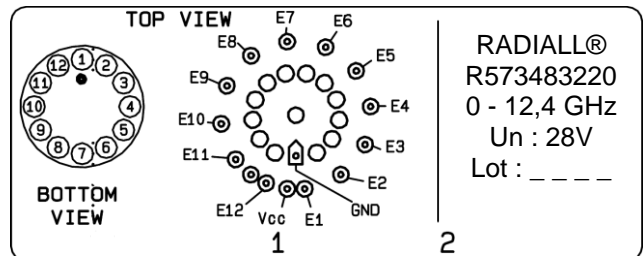


TTL input	RF Continuity
E1 = 1	IN ↔ 1
E2 = 1	IN ↔ 2
E3 = 1	IN ↔ 3
E4 = 1	IN ↔ 4
E5 = 1	IN ↔ 5
E6 = 1	IN ↔ 6
E7 = 1	IN ↔ 7
E8 = 1	IN ↔ 8
E9 = 1	IN ↔ 9
E10 = 1	IN ↔ 10
E11 = 1	IN ↔ 11
E12 = 1	IN ↔ 12

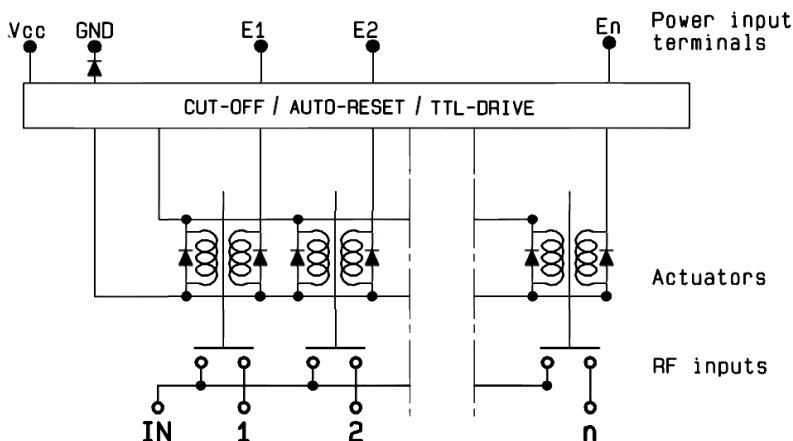


General tolerances : ±0.5 mm

LABEL



SHEMATIC DIAGRAM



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