Technical Data Sheet

SP8T Terminated Ramses SMA 26.5GHz Latching Self-cut-off Auto-reset 12Vdc TTL Diodes D-sub connector

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RF CHARACTERISTICS

Number of ways : **8**
Frequency range : **0 - 26.5 GHz**
Impedance : **50 Ohms**

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 16	16 - 18	18 - 22	22 - 26.5
VSWR max	1.20	1.30	1.40	1.50	1.60	1.70	2.00
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.55 dB	0.60 dB	0.70 dB	1.10 dB
Isolation min	80 dB	70 dB	60 dB	60 dB	60 dB	60 dB	55 dB
Average power (*)	240 W	150 W	120 W	110 W	100 W	90 W	40 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 ** : **960 mA**
Actuator voltage (Vcc) : **12V (10.2 to 13V)**
Terminals : **25 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 million cycles per position**
Switching Time*** : **< 50 ms**
Construction : **Splashproof**
Weight : **< 280 g**

ENVIRONMENTAL CHARACTERISTICS

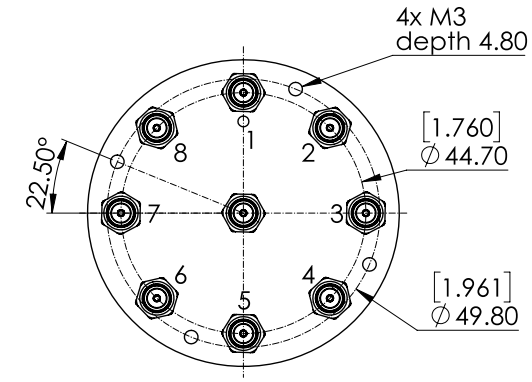
Operating temperature range : **-40°C to +85°C**
Storage temperature range : **-55°C to +85°C**

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

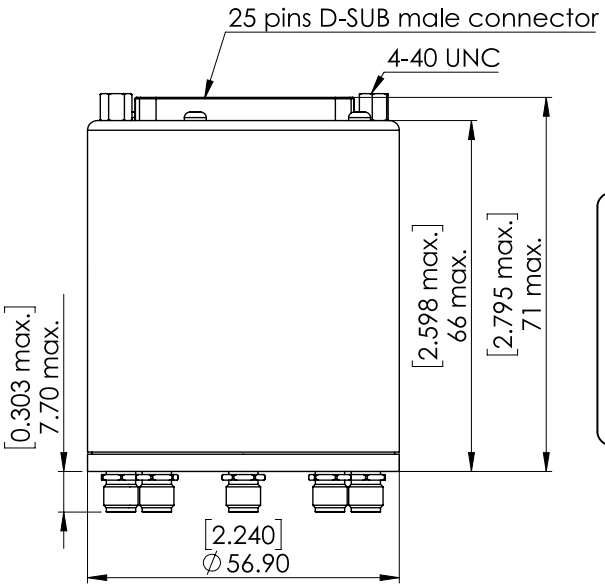
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DRAWING

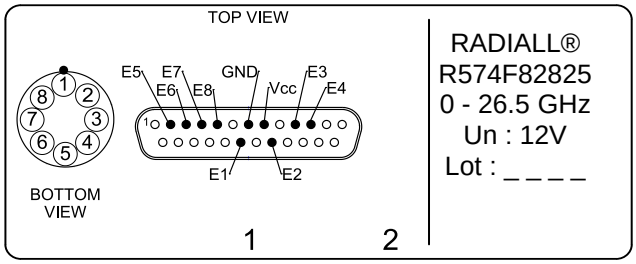


TTL input	RF Continuity
E1 = 1	IN ↔ 1
E2 = 1	IN ↔ 2
E3 = 1	IN ↔ 3
E4 = 1	IN ↔ 4
E5 = 1	IN ↔ 5
E6 = 1	IN ↔ 6
E7 = 1	IN ↔ 7
E8 = 1	IN ↔ 8



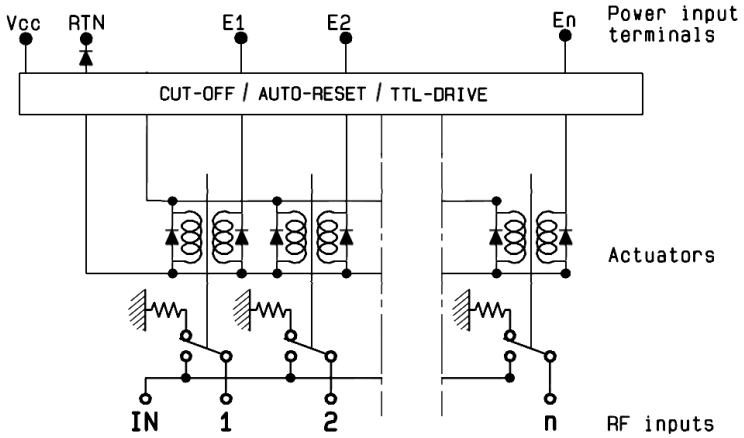
General tolerances : ±0,5 mm [0,02 in]

LABEL





SCHEMATIC DIAGRAM



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