Technical Data Sheet

SP4T Ramses SMA 18GHz Latching Self-cut-off Auto-reset 12Vdc
BCD TTL Diodes D-sub connector

RF CHARACTERISTICS

Number of ways : **4**
Frequency range : **0 - 18 GHz**
Impedance : **50 Ohms**

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

ELECTRICAL CHARACTERISTICS

Actuator : **LATCHING**
Nominal current ** : **640 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**
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 : **5 million cycles per position**
Switching Time*** : **< 40 ms**
Construction : **Splashproof**
Weight : **< 220 g**

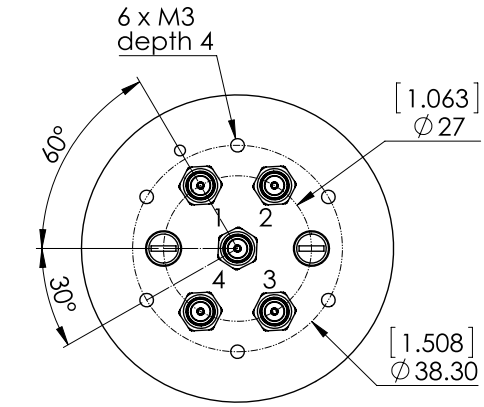
ENVIRONMENTAL CHARACTERISTICS

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

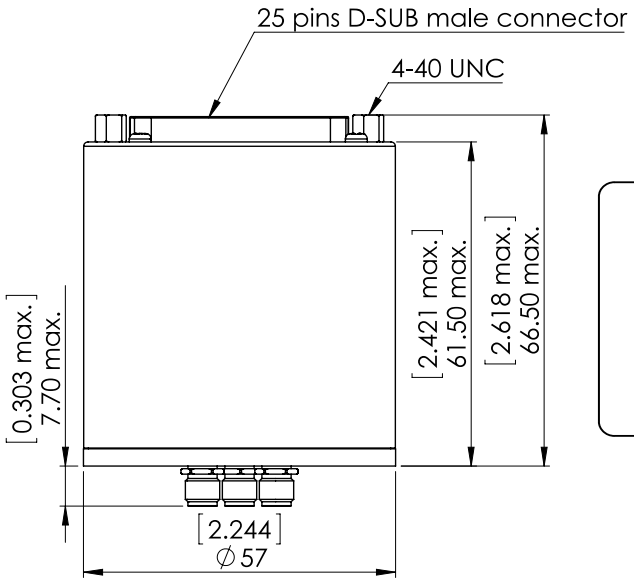
(* Average power at 25°C per RF Path)
(** At 25° C ±10%)
(*** Nominal voltage ; 25° C)

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DRAWING

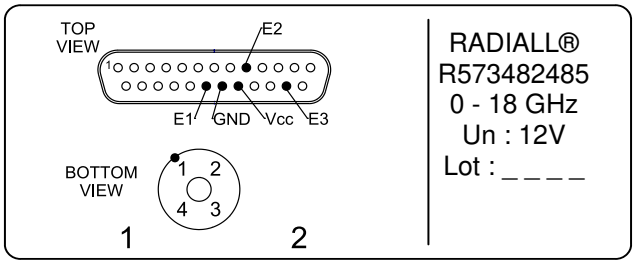


BCD TRUTH TABLE			
E3	E2	E1	RF continuity
0	0	0	All ports open (Forced Reset)
0	0	1	IN ↔ 1
0	1	0	IN ↔ 2
0	1	1	IN ↔ 3
1	0	0	IN ↔ 4



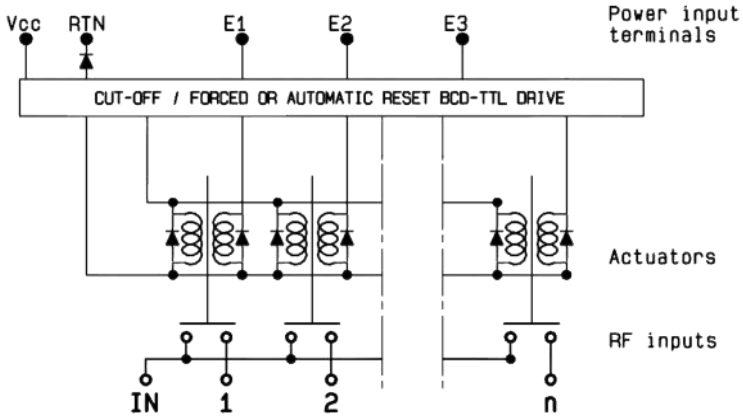
General tolerances : ±0,5 mm [0,02 in]

LABEL





SCHEMATIC DIAGRAM



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