Technical Data Sheet

SP3T Ramses SMA 18GHz Latching Self-cut-off Indicators 12Vdc
TTL Diodes D-sub connector

PAGE **1/2**	ISSUE **06-02-18**	SERIE : **SPnT**	PART NUMBER : **R573452325**

RF CHARACTERISTICS

Number of ways	: **3**
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 **		: **320 mA / RESET : 960 mA ******
Actuator voltage (Vcc)		: **12V (10.2 to 13V)**
Terminals		: **25 pins D-SUB male connector**
Indicator rating		: **1 W / 30 V / 100 mA**
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	: **5 million cycles per position**
Switching Time***	: **< 15 ms**
Construction	: **Splashproof**
Weight	: **< 220 g**

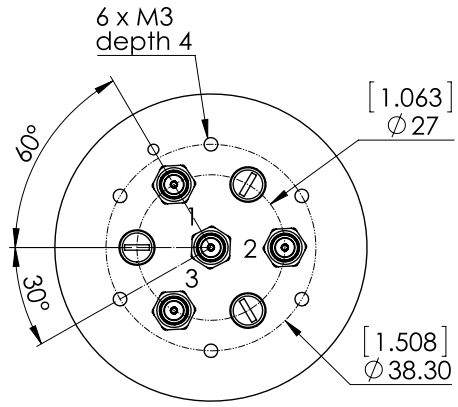
ENVIRONMENTAL CHARACTERISTICS

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

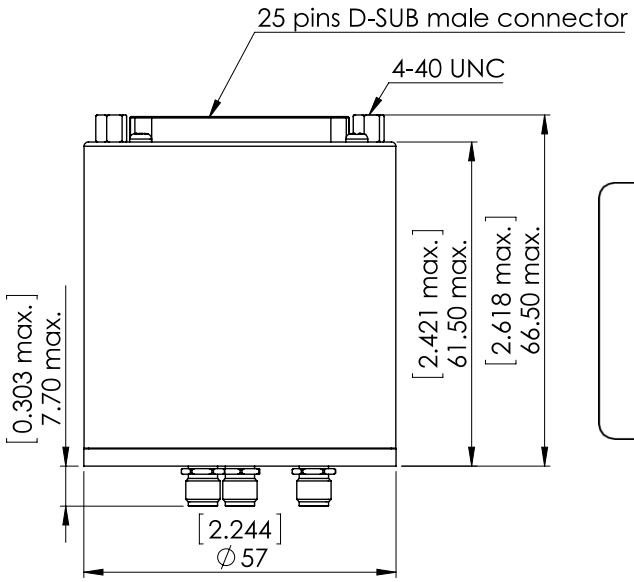
RoHS COMPLIANT

(* Average power at 25°C per RF Path)
(** At 25° C ±10%)
(*** Nominal voltage ; 25° C)
(**** Reset : supply voltage time 1sec. max. / duty cycle 10%)

DRAWING

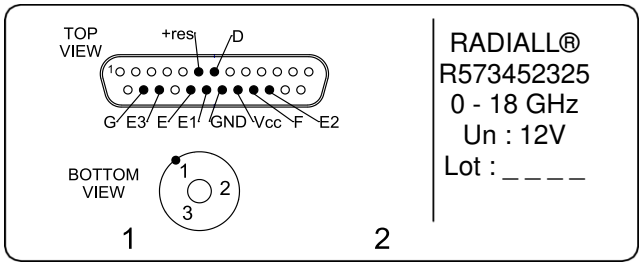


TTL input	RF Continuity	Ind.
RESET = 1	All ports open	- -
E1 = 1	IN ↔ 1	D.E
E2 = 1	IN ↔ 2	D.F
E3 = 1	IN ↔ 3	D.G



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

LABEL



SCHEMATIC DIAGRAM