Technical Data Sheet

SP4T Ramses SMA2.9 40GHz Normally open 28Vdc TTL Diodes Pins Terminals

PAGE **1/2**	ISSUE **09-03-21**	SERIE : **SPnT**	PART NUMBER : **R573803420**

RF CHARACTERISTICS

Number of ways	: **4**
Frequency range	: **0 - 40 GHz**
Impedance	: **50 Ohms**

Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40
VSWR max	1.30	1.40	1.50	1.70	2.20
Insertion loss max	0.20 dB	0.40 dB	0.50 dB	0.70 dB	1.10 dB
Isolation min	70 dB	60 dB	60 dB	55 dB	50 dB
Average power (*)	40 W	30 W	25 W	15 W	5 W

ELECTRICAL CHARACTERISTICS

Actuator		: **NORMALLY OPEN**
Nominal current **		: **102 mA**
Actuator voltage (Vcc)		: **28V (24 to 30V)**
Terminals		: **solder pins (250°C max. / 30 sec.)**
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 2.9 female per MIL-C 39012**
Life	: **2 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**

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

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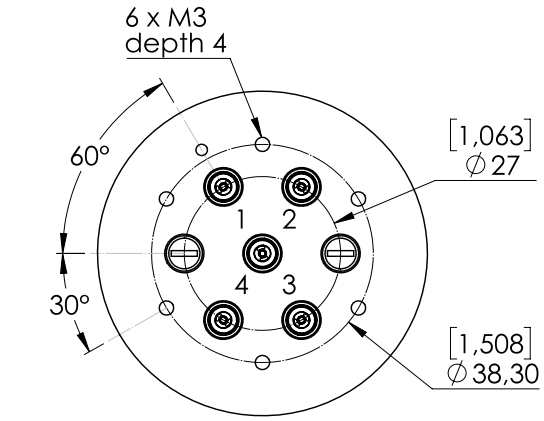
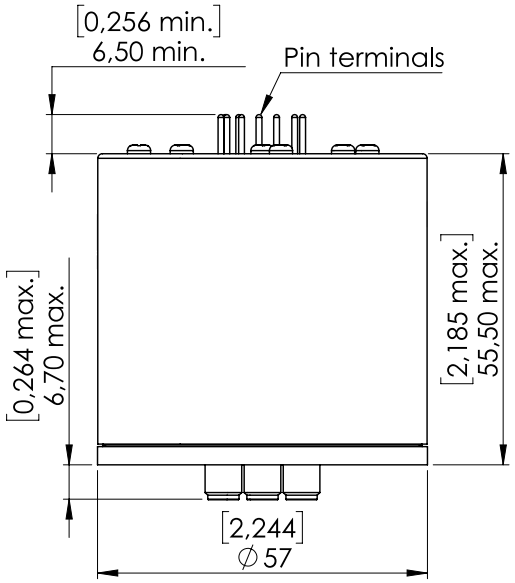
DRAWING

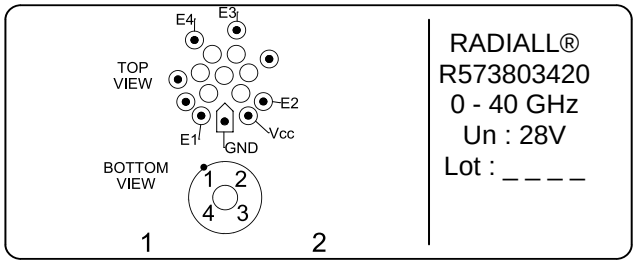


TTL input	RF Continuity
E1 = 1	IN ↔ 1
E2 = 1	IN ↔ 2
E3 = 1	IN ↔ 3
E4 = 1	IN ↔ 4

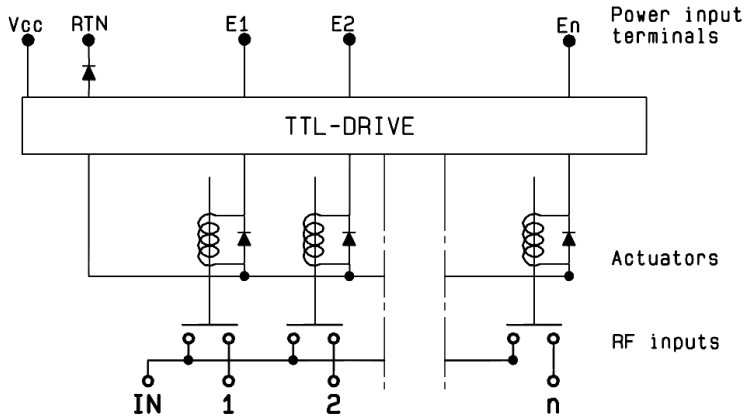


General tolerances : ±0,5 mm [0,02 in]

LABEL



SCHEMATIC DIAGRAM



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