Technical Data Sheet

SP10T Terminated Ramses SMA 18GHz Latching Self-cut-off Auto-reset Indicators 12Vdc TTL Diodes D-sub connector

PAGE **1/2**	ISSUE **11-04-17**	SERIE : **SPnT**	PART NUMBER : **R574492025**

RF CHARACTERISTICS

Number of ways	: **10**
Frequency range	: **0 - 18 GHz**
Impedance	: **50 Ohms**

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 15.5	15.5 - 18
VSWR max	1.20	1.30	1.40	1.50	1.70
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB	0.70 dB
Isolation min	80 dB	70 dB	60 dB	60 dB	55 dB
Average power (*)	240 W	150 W	120 W	110 W	100 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 **		: **1280 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	: **2 million cycles per position**
Switching Time***	: **< 50 ms**
Construction	: **Splashproof**
Weight	: **< 360 g**

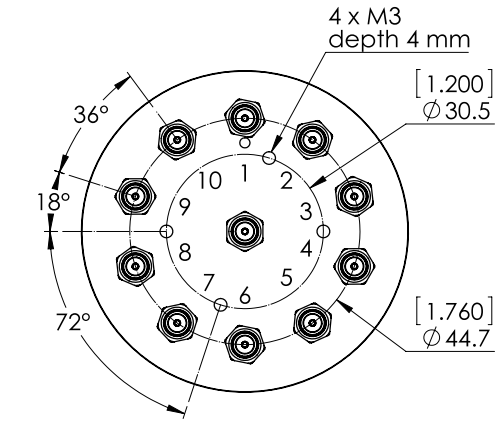
ENVIRONMENTAL CHARACTERISTICS

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

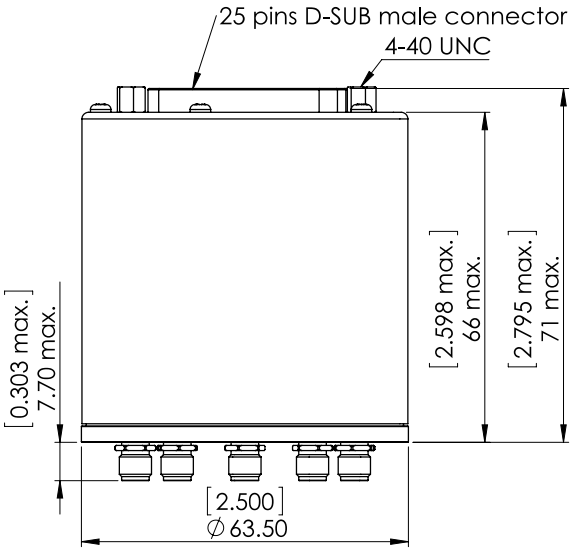
(* Average power at 25°C per RF Path)
(** At 25° C ±10%)
(*** Nominal voltage ; 25° C)

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DRAWING

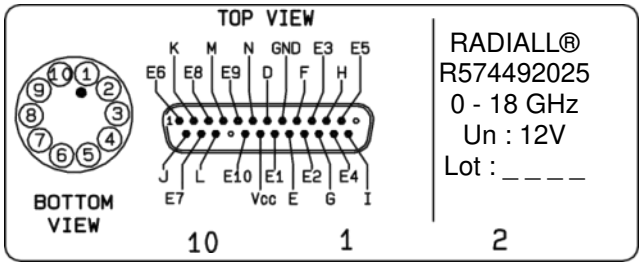


TTL input	RF Continuity	Ind.
E1 = 1	IN ↔ 1	D.E
E2 = 1	IN ↔ 2	D.F
E3 = 1	IN ↔ 3	D.G
E4 = 1	IN ↔ 4	D.H
E5 = 1	IN ↔ 5	D.I
E6 = 1	IN ↔ 6	D.J
E7 = 1	IN ↔ 7	D.K
E8 = 1	IN ↔ 8	D.L
E9 = 1	IN ↔ 9	D.M
E10 = 1	IN ↔ 10	D.N



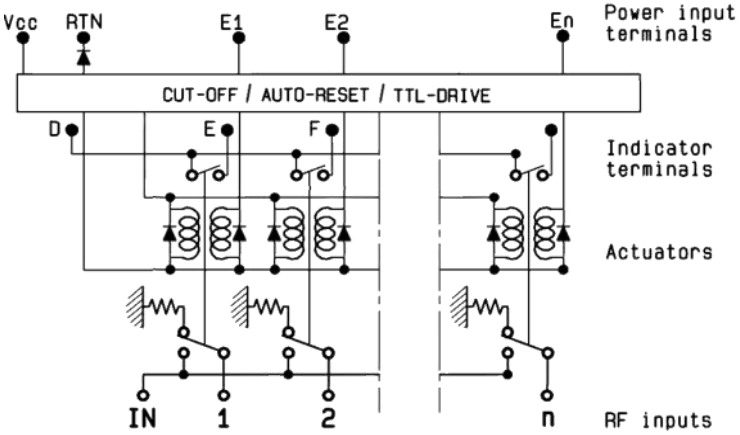
General tolerances : ±0,5 mm [0,02 in]

LABEL





SCHEMATIC DIAGRAM



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