Technical Data Sheet

SP4T Terminated Ramses 2.4mm 50GHz Latching Self-cut-off 12Vdc TTL Diodes D-sub connector

PAGE **1/2**	ISSUE **10-07-19**	SERIE : **SPnT**	PART NUMBER : **R574J42425**

RF CHARACTERISTICS

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

Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40	40 - 50
VSWR max	1.30	1.40	1.50	1.70	1.90	2.20
Insertion loss max	0.20 dB	0.40 dB	0.50 dB	0.70 dB	0.90 dB	1.20 dB
Isolation min	70 dB	60 dB	60 dB	55 dB	50 dB	50 dB
Average power (*)	40 W	30 W	25 W	15 W	5 W	3 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 **		: **320 mA / RESET : 1280 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	: **2.4mm female (Accoding to IEEE STD 287)**
Life	: **2 million cycles per position**
Switching Time***	: **< 15 ms**
Construction	: **Splashproof**
Weight	: **< 250 g**

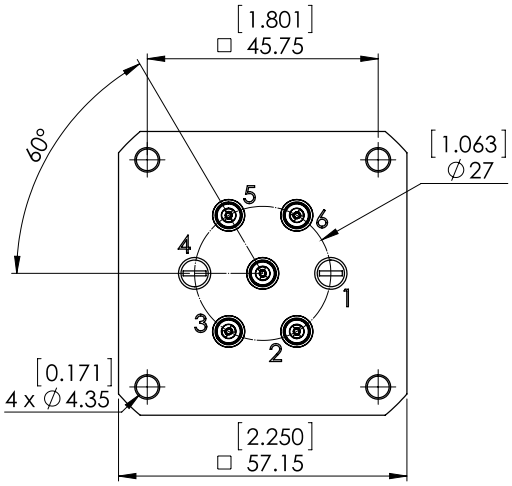
ENVIRONMENTAL CHARACTERISTICS

Operating temperature range	: **-25°C to +70°C**
Storage temperature range	: **-40°C to +85°C**

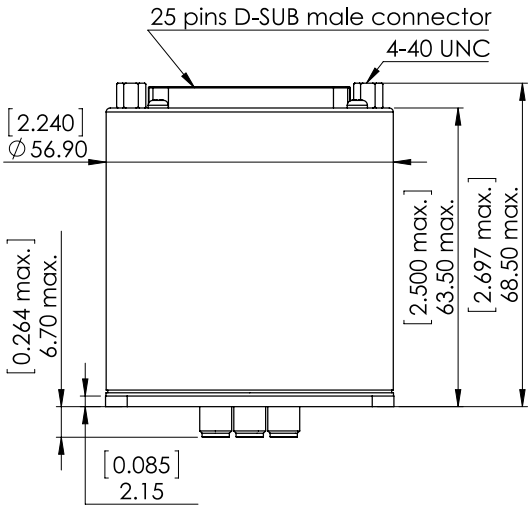
(* Average power at 25°C per RF Path)
(** At 25° C ±10%)
(*** Nominal voltage ; 25° C)
(**** Reset : supply voltage time 1sec. max. / duty cycle 10%)

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DRAWING

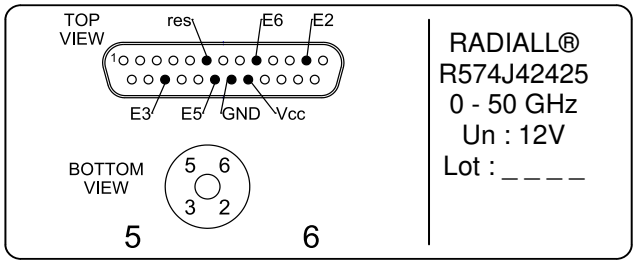


TTL input	RF Continuity
RESET = 1	All ports open
E2 = 1	IN ↔ 2
E3 = 1	IN ↔ 3
E5 = 1	IN ↔ 5
E6 = 1	IN ↔ 6



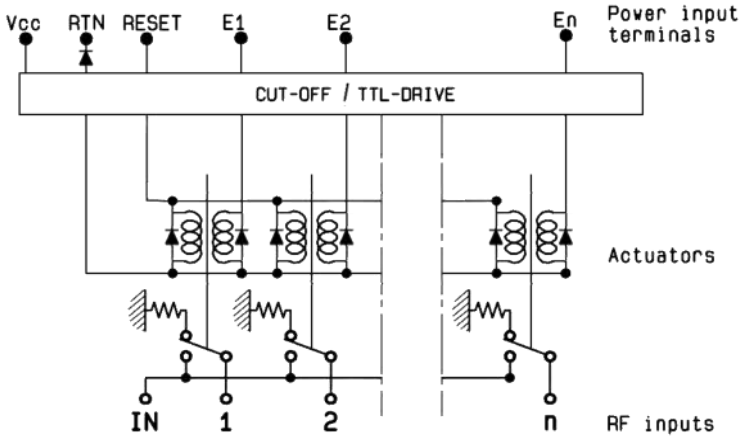
General tolerances : ±0,5 mm [0,02 in]

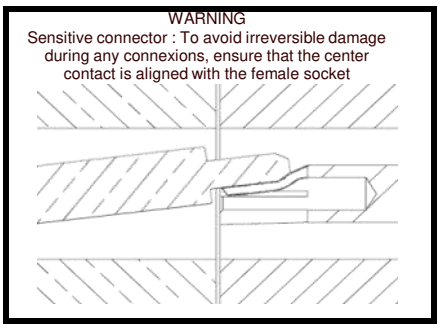
LABEL





SCHEMATIC DIAGRAM





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