## **Technical Data Sheet**



SP4T Ramses 1.85mm 67GHz Latching Self-cut-off Auto-reset 28Vdc

TTL Diodes D-sub connector

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### **RF CHARACTERISTICS**

Number of ways : 4

Frequency range : 0 - 67 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40	40 - 50	50 - 65	65 - 67
VSWR max	1.30	1.40	1.50	1.70	1.90	2.20	2.20	2.20
Insertion loss max	0.30 dB	0.40 dB	0.50 dB	0.70 dB	0.90 dB	1.20 dB	1.40 dB	1.70 dB
Isolation min	70 dB	60 dB	60 dB	55 dB	50 dB	50 dB	50 dB	50 dB
Average power (*)	40 W	30 W	25 W	15 W	5 W	3 W	1 W	1 W

### **ELECTRICAL CHARACTERISTICS**

Actuator : LATCHING
Nominal current \*\* : 250 mA

Actuator voltage (Vcc) : 28V (24 to 30V)

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 / 800 $\mu$ A at 5.5 V

- Low level : 0 to 0.8 V / 20µA at 0.8 V

## MECHANICAL CHARACTERISTICS

Connectors : 1.85mm female (Accoding to IEEE STD 287)

Life : 2 million cycles per position

Switching Time\*\*\* : < 40 ms

Construction : Splashproof

Weight : < 220 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)



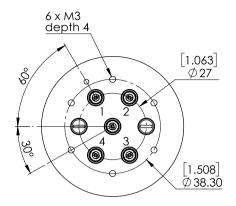
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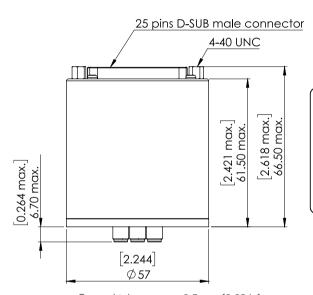
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#### **DRAWING**



TTL input	RF Continuity			
E1 = 1	$IN \leftrightarrow 1$			
E2 = 1	$IN \leftrightarrow 2$			
E3 = 1	$IN \leftrightarrow 3$			
E4 = 1	$IN \leftrightarrow 4$			

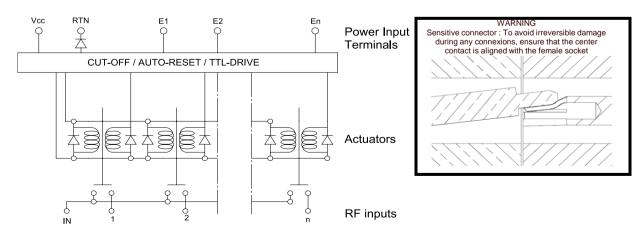


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# General tolerances : ±0,5 mm [0,02 in]

## SCHEMATIC DIAGRAM



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