# **Technical Data Sheet**



SP4T Ramses 2.4mm 50GHz Latching 28Vdc TTL Diodes D-sub connector

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### RF CHARACTERISTICS

Number of ways

Frequency range : 0 - 50 GHz : 50 Ohms Impedance

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

### **ELECTRICAL CHARACTERISTICS**

: LATCHING Actuator

Nominal current \*\* : 125 mA / RESET : 500 mA \*\*\*\*

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

Terminals : 25 pins D-SUB male connector TTL inputs (E)

: 2.2 to 5.5 V / 800 $\mu$ A at 5.5 V - High level

- Low level : 0 to 0.8 V / 20 $\mu$ A at 0.8 V

## MECHANICAL CHARACTERISTICS

: 2.4mm female (Accoding to IEEE STD 287) Connectors

Life : 2 million cycles per position

Switching Time\*\*\* : < 15 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)

(\*\*\*\* Reset : supply voltage time 1sec. max. / duty cycle 10%)



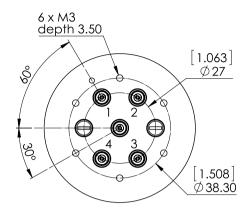
# **Technical Data Sheet**



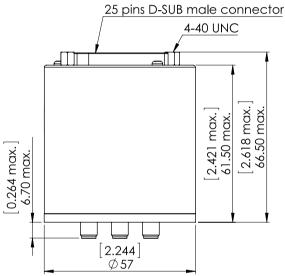
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#### **DRAWING**

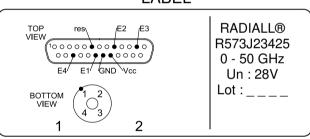


TTL input	RF Continuity		
RESET = 1	All ports open		
E1 = 1	$IN \leftrightarrow 1$		
E2 = 1	$IN \leftrightarrow 2$		
E3 = 1	IN ↔ 3		
E4 = 1	$IN \leftrightarrow 4$		



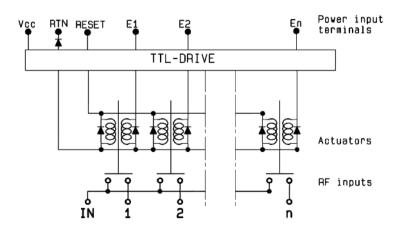


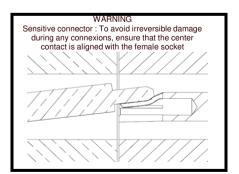
# LABEL





### SCHEMATIC DIAGRAM





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