# **Technical Data Sheet**



SP6T Terminated Ramses 2.4mm 50GHz Latching Indicators 28Vdc Positive common D-sub connector

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### RF CHARACTERISTICS

Number of ways : 6

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 \*\* : 125 mA / RESET : 750 mA \*\*\*\*

Actuator voltage (Vcc) : 28V (24 to 30V) / POSITIVE COMMON

Terminals : 25 pins D-SUB male connector

Indicator rating : 1 W / 30 V / 100 mA

## 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%)





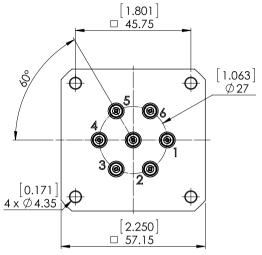


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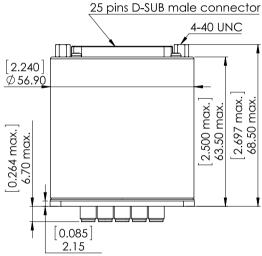
Positive common D-sub connector

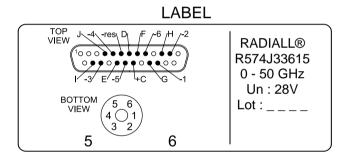
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### **DRAWING**



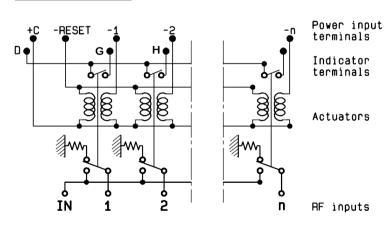
Voltage	RF Continuity	Ind.
+C -RESET	All ports open	
+C -1	$IN \leftrightarrow 1$	D.G
+C -2	$IN \leftrightarrow 2$	D.H
+C -3	$IN \leftrightarrow 3$	D.I
+C -4	$IN \leftrightarrow 4$	D.J
+C -5	IN ↔ 5	D.E
+C -6	$IN \leftrightarrow 6$	D.F

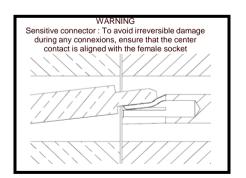




General tolerances: ±0,5 mm [0,02 in]

# SCHEMATIC DIAGRAM





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