## **Technical Data Sheet**



SP6T Ramses 2.4mm 50GHz Normally open Indicators 28Vdc BCD TTL

Diodes 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

### **ELECTRICAL CHARACTERISTICS**

Actuator : NORMALLY OPEN

Nominal current \*\* : 102 mA

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

Terminals : 25 pins D-SUB male connector

Indicator rating : 1 W / 30 V / 100 mA

BCD inputs (E) - High level : **3.5 to 5.5 V / 800μA at 5.5 V** 

- Low level : 0 to 1.5 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 : < 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)



# **Technical Data Sheet**

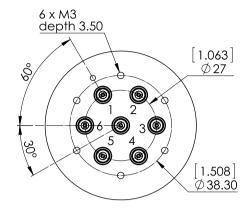


SP6T Ramses 2.4mm 50GHz Normally open Indicators 28Vdc BCD TTL

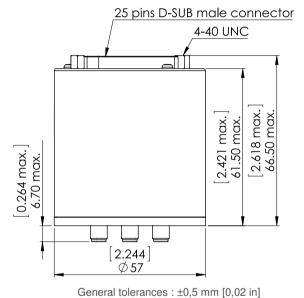
Diodes D-sub connector

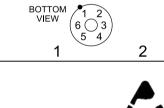
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#### **DRAWING**



BCD TRUTH TABLE						
E3	E2	E1	RF continuity	Ind.		
0	0	0	Last Position			
1	1	1	All ports open			
0	0	1	IN ↔ 1	D.E		
0	1	0	$IN \leftrightarrow 2$	D.F		
0	1	1	IN ↔ 3	D.G		
1	0	0	IN ↔ 4	D.H		
1	0	1	IN ↔ 5	D.I		
1	1	0	IN ↔ 6	D.J		





I E E1 GND

100000000000

TOP VIEW

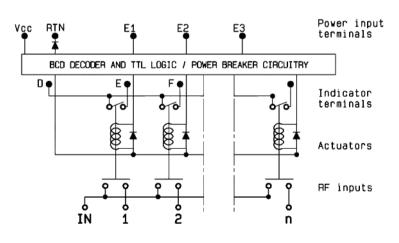
**RADIALL®** R573J13685 0 - 50 GHz Un: 28V

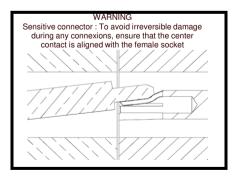
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LABEL

## **SCHEMATIC DIAGRAM**





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