# **Technical Data Sheet**



SP4T Terminated Ramses 2.4mm 50GHz Normally open 28Vdc Pins Terminals

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## 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 : NORMALLY OPEN

Nominal current \*\* : 102 mA

Actuator voltage (Vcc) : 28V (24 to 30V) / NEGATIVE COMMON
Terminals : solder pins (250°C max. / 30 sec.)

## MECHANICAL CHARACTERISTICS

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

Life : 2 million cycles per position

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



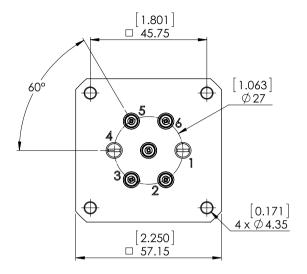
# **Technical Data Sheet**



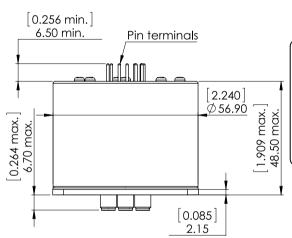
SP4T Terminated Ramses 2.4mm 50GHz Normally open 28Vdc Pins Terminals

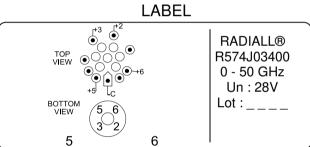
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#### **DRAWING**



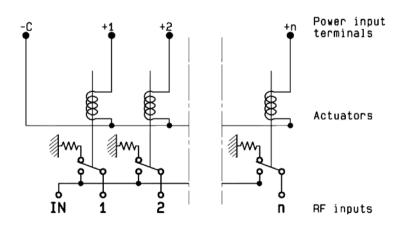
Voltage	RF Continuity		
-C +2	$IN \leftrightarrow 2$		
-C +3	$IN \leftrightarrow 3$		
-C +5	$IN \leftrightarrow 5$		
-C +6	IN ↔ 6		

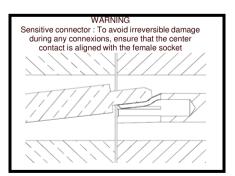




General tolerances: ±0,5 mm [0,02 in]

# SCHEMATIC DIAGRAM





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