# **Technical Data Sheet**



DPDT Ramses Low PIM N 12.4GHz Failsafe 28Vdc D-sub connector with bracket

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## RF CHARACTERISTICS

Frequency range : 0 - 12.4 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 1	1 - 2	2 - 3	3 - 8	8 - 12.4
VSWR max	1.15	1.20	1.25	1.35	1.50
Insertion loss max	0.15 dB	0.20 dB	0.25 dB	0.35 dB	0.50 dB
Isolation min	85 dB	80 dB	75 dB	70 dB	60 dB
Average power (*)	700 W	500 W	400 W	250 W	200 W

	Passive intermodulation		
Tone 1	1810 MHz, approximately 43 dBm		
Tone 2	1850 MHz, approximately 43 dBm		
3 <sup>rd</sup> order PIM	- 160 dBc at 1770 MHz		

Depending on application, carrier powers and frequencies, PIM measurements can vary. PIM testing is not measured during product acceptance test.

## **ELECTRICAL CHARACTERISTICS**

Actuator : FAILSAFE
Nominal current \*\* : 140 mA

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

Terminals : 9 pins D-SUB male connector

## MECHANICAL CHARACTERISTICS

Connectors\*\*\*\*\* : N female per MIL-C 39012

Life : 2 million cycles

Switching Time\*\*\* : < 15 msConstruction : Splashproof
Weight : < 215 g

## **ENVIRONMENTAL CHARACTERISTICS**

Operating temperature range : -25°C to +70°C
Storage temperature range : -55°C to +85°C

(\* Average power at 25°C per RF Path)

(\*\* At 25° C ±10%)

(\*\*\* Nominal voltage; 25° C)

(\*\*\*\*\* Recommended mating torque: 300 N.cm)



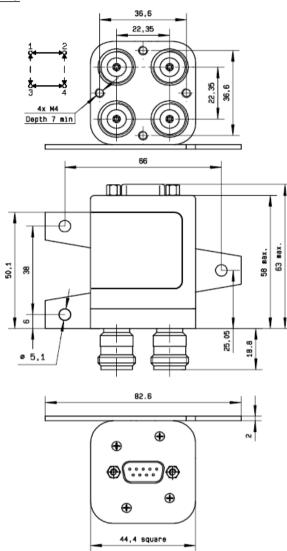
# **Technical Data Sheet**



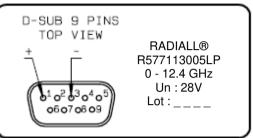
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## **DRAWING**



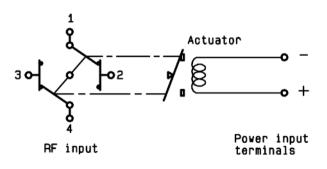
# LABEL



General tolerances: ±0.5 mm

## SCHEMATIC DIAGRAM

## Position: De energized



Voltage	RF Continuity		
energized	$1 \leftrightarrow 3 / 2 \leftrightarrow 4$		
De-energized	$1 \leftrightarrow 2 / 3 \leftrightarrow 4$		

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