# **Technical Data Sheet**



DPDT Ramses N 12.4GHz Failsafe 12Vdc TTL Diodes D-sub connector

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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

#### **ELECTRICAL CHARACTERISTICS**

Actuator : FAILSAFE
Nominal current \*\* : 340 mA

Actuator voltage (Vcc) : 12V (10.2 to 13V)

Terminals : 9 pins D-SUB male connector TTL inputs (E) - High level : 2.2 to 5.5 V / 800µA at 5.5 V

- Low level : 0 to 0.8 V / 20µA at 0.8 V

### MECHANICAL CHARACTERISTICS

Connectors : N female per MIL-C 39012

Life : 2.5 million cycles

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

#### **ENVIRONMENTAL CHARACTERISTICS**

Operating temperature range : -40°C to +85°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)



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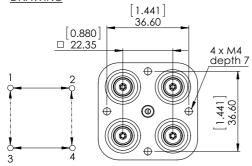
# **Technical Data Sheet**

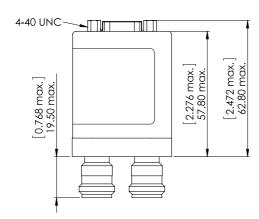


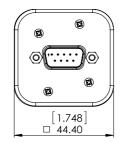
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#### **DRAWING**



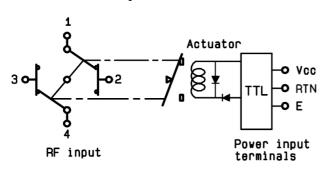




General tolerances: ±0,5 mm [0,02 in]

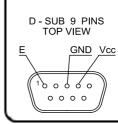
#### SCHEMATIC DIAGRAM

## Position: De energized





# LABEL



RADIALL® R577112107 0 - 12.4 GHz Un : 12V Lot : \_\_\_\_

TTL input RF Continuity  $E = 1 1 \leftrightarrow 3 / 2 \leftrightarrow 4$   $E = 0 1 \leftrightarrow 2 / 3 \leftrightarrow 4$ 

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