Technical Data Sheet



DPDT Ramses N 12.4GHz Failsafe 12Vdc 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

MECHANICAL CHARACTERISTICS

Connectors : N female per MIL-C 39012

Life : 2.5 million cycles

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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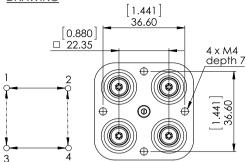
Technical Data Sheet

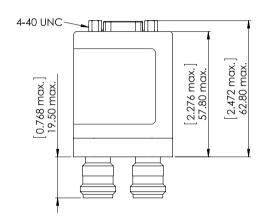


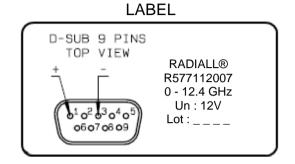


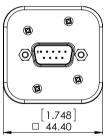
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DRAWING





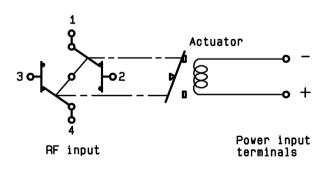




General tolerances: ±0.5 mm

SCHEMATIC DIAGRAM

Position: De energized



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