Technical Data Sheet



DPDT Ramses N 3GHz Failsafe 28Vdc TTL Diodes D-sub connector with bracket

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RF CHARACTERISTICS

Frequency range : 0 - 3 GHz Impedance : 50 Ohms

| Frequency (GHz) | DC - 1 | 1 - 2 | 2 - 3 |
|--------------------|---------|---------|---------|
| VSWR max | 1.15 | 1.20 | 1.25 |
| Insertion loss max | 0.15 dB | 0.20 dB | 0.25 dB |
| Isolation min | 85 dB | 80 dB | 75 dB |
| Average power (*) | 700 W | 500 W | 400 W |

ELECTRICAL CHARACTERISTICS

Actuator : FAILSAFE
Nominal current ** : 140 mA

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

 $\begin{tabular}{lll} Terminals & : 9 pins D-SUB male connector \\ TTL inputs (E) & - High level & : 2.2 to 5.5 V / 800 \mu A at 5.5 V \\ \end{tabular}$

- Low level : 0 to 0.8 V / $20\mu A$ 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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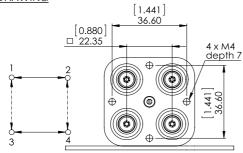
Technical Data Sheet

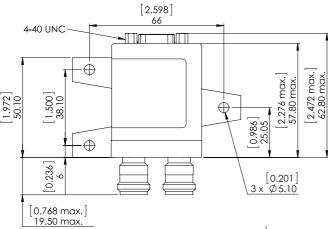


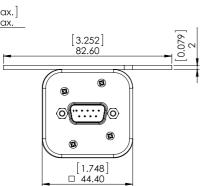
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DRAWING



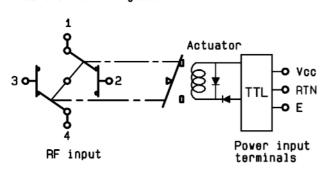




General tolerances: ±0,5 mm [0,02 in]

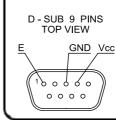
SCHEMATIC DIAGRAM

Position: De energized





LABEL



RADIALL® R577013105 0 - 3 GHz Un : 28V 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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