Technical Data Sheet



DPDT Ramses SMA 18GHz Failsafe 12Vdc Pins Terminals with bracket

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RF CHARACTERISTICS

Frequency range : 0 - 18 GHz Impedance : 50 Ohms

| Frequency (GHz) | DC - 3 | 3 - 8 | 8 - 12.4 | 12.4 - 18 |
|--------------------|---------|---------|----------|-----------|
| VSWR max | 1.20 | 1.30 | 1.40 | 1.50 |
| Insertion loss max | 0.20 dB | 0.30 dB | 0.40 dB | 0.50 dB |
| Isolation min | 80 dB | 70 dB | 65 dB | 60 dB |
| Average power (*) | 240 W | 150 W | 120 W | 100 W |

ELECTRICAL CHARACTERISTICS

Actuator : FAILSAFE
Nominal current ** : 340 mA

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

Terminals : solder pins (250°C max. / 30 sec.)

MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012

Life : 2.5 million cycles

Switching Time*** : < 15 ms

Construction : Splashproof

Weight : < 100 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)



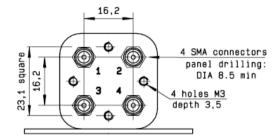
Technical Data Sheet

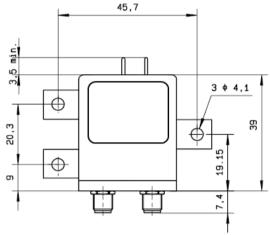


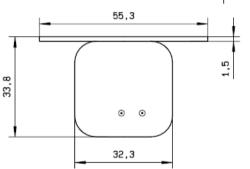
DPDT Ramses SMA 18GHz Failsafe 12Vdc Pins Terminals with bracket

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DRAWING







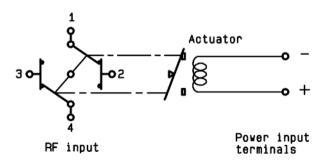
LABEL

RADIALL® R577412000 0 - 18 GHz Un : 12V Lot : _ _ _

General tolerances: ±0.5 mm

SCHEMATIC DIAGRAM

Position: De energized



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

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