Technical Data Sheet



DPDT Ramses SMA 18GHz Latching Indicators 28Vdc Pins Terminals

PAGE 1/2 ISSUE 22-03-22 SERIE : DPDT PART NUMBER : R577443002

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 : LATCHING
Nominal current ** : 125 mA

Actuator voltage (Vcc) : 28V (24 to 30V) / NEGATIVE COMMON Terminals : solder pins (250°C max. / 30 sec.)

Indicator rating : 1 W / 30 V / 100 mA

MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012

Life : 2.5 million cycles

Switching Time*** : < 15 msConstruction : 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)



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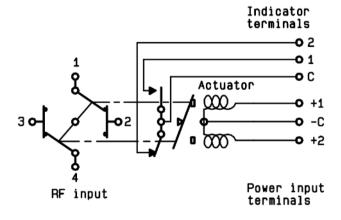
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PAGE **2/2** ISSUE **22-03-22** SERIE: DPDT PART NUMBER: **R577443002 DRAWING** 0.909 23.10 \oplus LABEL +1 +2 -C 1 2 C **RADIALL®** 4 x M3 R577443002 depth 3.50 0 - 18 GHz Un: 28V [0.138 min.] Lot : _ _ _ 3.50 min. 0.303 max. 7.70 max. 1.555 max. 39.50 max. 000 000 General tolerances: ±0,5 mm [0,02 in]

SCHEMATIC DIAGRAM



| Voltage | RF Continuity | Ind. |
|---------|---|------|
| -C +1 | $1 \leftrightarrow 3 / 2 \leftrightarrow 4$ | C.1 |
| -C +2 | $1 \leftrightarrow 2 / 3 \leftrightarrow 4$ | C.2 |

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