Technical Data Sheet



DPDT Ramses SMA2.9 40GHz Latching Indicators 28Vdc Pins Terminals

PAGE 1/2 ISSUE 26-01-17 SERIE : DPDT PART NUMBER : R577843002

RF CHARACTERISTICS

Frequency range : 0 - 40 GHz Impedance : 50 Ohms

| Frequency (GHz) | DC - 6 | 6 - 12.4 | 12.4 - 18 | 18 - 26.5 | 26.5 - 40 |
|--------------------|---------|----------|-----------|-----------|-----------|
| VSWR max | 1.30 | 1.40 | 1.50 | 1.70 | 1.90 |
| Insertion loss max | 0.30 dB | 0.40 dB | 0.50 dB | 0.70 dB | 0.80 dB |
| Isolation min | 70 dB | 60 dB | 60 dB | 55 dB | 50 dB |
| Average power (*) | 80 W | 60 W | 50 W | 20 W | 10 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 2.9 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)



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PAGE **2/2** ISSUE 26-01-17 SERIE: DPDT PART NUMBER: **R577843002 DRAWING** 0.909 23.10 [0.638] 4 x M3 depth 3.50 LABEL [0.909] 23.10 +1 +2 -C 1 2 C **RADIALL®** R577843002 0 - 40 GHz Un: 28V 0.138 min. Lot : _ _ _ _ 3.50 min. 1.555 max. 39.50 max. 0.252 max. 000 000 🚱 1.276 □ 32.40 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM Indicator terminals **o** 2 **o** 1

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

Power input terminals

-C

Actuator

RF input