Technical Data Sheet



DPDT Ramses SMA 18GHz Latching Indicators 12Vdc Pins Terminals with bracket

PAGE 1/2 ISSUE 03-12-20 SERIE : DPDT PART NUMBER : R577442000

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 ** : 320 mA

Actuator voltage (Vcc) : 12V (10.2 to 13V) / 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 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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Technical Data Sheet



RF input

DPDT Ramses SMA 18GHz Latching Indicators 12Vdc Pins Terminals with bracket

PAGE **2/2** ISSUE **03-12-20** SERIE: DPDT PART NUMBER: **R577442000 DRAWING** [0.909] 23.10 0.638 □ 16.20 4 x M3 depth 3.50 LABEL **(** [0.909] 23.10 +1 +2 -€ 1 2 C **RADIALL®** R577442000 0 - 18 GHz Un: 12V Lot : _ _ _ _ [1.799] [0.138 min.] 45.70 3.50 min. \bigoplus max. max \oplus 50 0.750 0.161 3x Ø 4.10 [0.350] 8.90 [0.303 max.] 7.70 max. [2.177] 55.30 0.059 000 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM Indicator terminals **o** 2 RF Continuity Voltage Ind. C.1 **o** 1 -C -C +2 $1 \leftrightarrow 2 \ / \ 3 \leftrightarrow 4$ **O** C Actuator -C

Power input terminals