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 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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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 [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. $\dot{\oplus}$.555 max. 39.50 max [0.799] 20.30 \bigoplus 0.750] \oplus [0.161] 3x Ø 4.10 [0.350] 8.90 [0.303 max.] 7.70 max. [2.177] 55.30 [0.059] 1.50 000 General tolerances: ±0,5 mm [0,02 in] **SCHEMATIC DIAGRAM** Indicator terminals **o** 2 RF Continuity Voltage Ind. C.1 **O** 1 -C $1 \leftrightarrow 2 \ / \ 3 \leftrightarrow 4$ -C +2 **o** C Actuator -C

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Power input terminals