Technical Data Sheet



DPDT Ramses SMA 18GHz Latching Indicators 12Vdc Pins Terminals

PAGE 1/2 ISSUE 16-03-16 SERIE : DPDT PART NUMBER : R577442002

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)



This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatsoever or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication, in the effort to improve our products; we reserve the right to make any changes judged necessary.

Technical Data Sheet



DPDT Ramses SMA 18GHz Latching Indicators 12Vdc Pins Terminals

PAGE **2/2** ISSUE 16-03-16 SERIE: DPDT PART NUMBER: **R577442002 DRAWING** 4 SMA connectors panel drilling: 16,2 DIA 8.5 min LABEL 4 holes M3 depth 3,5 •1 +2 •C 1 2 C **RADIALL®** R577442002 0 - 18 GHz Un: 12V Lot : ____ 3,5 33 ⊙⊙⊙ ⊙ ⊙ ⊙ General tolerances: ±0.5 mm 32,3 SCHEMATIC DIAGRAM Indicator terminals 0 2 **O** 1 RF Continuity **•** C Voltage Ind. Actuator C.1 -C +1 1 ↔ 2 / 3 ↔ 4 -C +2 Power input terminals RF input

This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatsoever or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication, in the effort to improve our products; we reserve the right to make any changes judged necessary.