Technical Data Sheet



DPDT Ramses SMA 18GHz Failsafe 12Vdc D-sub connector

PAGE 1/2 ISSUE 22-03-22 SERIE : DPDT PART NUMBER : R577412007

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 : FAILSAFE
Nominal current ** : 340 mA

Actuator voltage (Vcc) : 12V (10.2 to 13V)

Terminals : 9 pins D-SUB male connector

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





PAGE **2/2** ISSUE **22-03-22** SERIE: DPDT PART NUMBER: **R577412007 DRAWING** 0.909 23.10 [0.638] □ 16.20 4 x M3 depth 3.50 LABEL [0.909] 23.10 D - SUB 9 PINS TOP VIEW **RADIALL®** R577412007 0 - 18 GHz Un: 12V 0000 Lot : _ _ _ _ 0000 [2.205 max.] 56 max. [2.008 max.] 51 max. [0.303 max.] 7.70 max. 4-40 UNC 1.276 □ 32.40 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM Position: De energized

	1		
	٤	Actuator	_
2 -	7	~ ~ ~	<u> </u>

Power input RF input terminals

Voltage	RF Continuity		
energized	$1 \leftrightarrow 3 / 2 \leftrightarrow 4$		
De-energized	$1 \leftrightarrow 2 / 3 \leftrightarrow 4$		