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

30-02	Actuator -
4	Power input
RF input	terminals