Technical Data Sheet



DPDT Ramses SMA 26.5GHz Failsafe 28Vdc D-sub connector

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RF CHARACTERISTICS

Frequency range : 0 - 26.5 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18	18 - 26.5
VSWR max	1.20	1.30	1.40	1.50	1.70
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB	0.70 dB
Isolation min	80 dB	70 dB	65 dB	60 dB	50 dB
Average power (*)	240 W	150 W	120 W	100 W	40 W

ELECTRICAL CHARACTERISTICS

Actuator : FAILSAFE
Nominal current ** : 140 mA

Actuator voltage (Vcc) : 28V (24 to 30V)

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: R577F13007 **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®** R577F13007 0 - 26.5 GHz Un: 28V 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 RF Continuity Voltage $1 \leftrightarrow 3 / 2 \leftrightarrow 4$ energized $1 \leftrightarrow 2 / 3 \leftrightarrow 4$ De-energized

30-02	Actuator -
4	Power input
RF input	terminals