Technical Data Sheet



DPDT Ramses SMA 18GHz Failsafe 12Vdc TTL Diodes Pins Terminals

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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 : solder pins (250°C max. / 30 sec.)
TTL inputs (E) - High level : 2.2 to 5.5 V / 800µA at 5.5 V

- Low level : 0 to 0.8 V / 20µA at 0.8 V

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 06-02-18 SERIE: DPDT **DRAWING** 0.909 23.10 \oplus 4 x M3 depth 3.50 [0.138 min.] 3.50 min. 0.303 max. 7.70 max. 1.555 max. 39.50 max.



LABEL

E GND Vcc

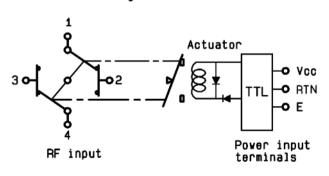
RADIALL® R577412102 0 - 18 GHz Un: 12V

Lot : _ _ _

General tolerances: ±0,5 mm [0,02 in]

SCHEMATIC DIAGRAM

Position: De energized



TTL input	RF Continuity
E = 1	$1 \leftrightarrow 3 / 2 \leftrightarrow 4$
E = 0	$1 \leftrightarrow 2 / 3 \leftrightarrow 4$