# **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 /  $800\mu A$  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 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)



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# **Technical Data Sheet**

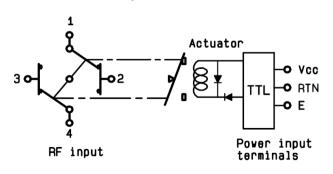


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PAGE **2/2** ISSUE 06-02-18 SERIE: DPDT PART NUMBER: **R577412102 DRAWING** 0.909 23.10  $\oplus$ LABEL E GND Vcc **RADIALL®** 4 x M3 R577412102 depth 3.50 0 - 18 GHz Un: 12V [0.138 min.] 3.50 min. Lot : \_ \_ \_ \_ 0.303 max. 7.70 max. 1.555 max. 39.50 max. 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	$1 \leftrightarrow 2 / 3 \leftrightarrow 4$		