## **Technical Data Sheet**



DPDT Ramses SMA 18GHz Failsafe 12Vdc 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.)

#### 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**

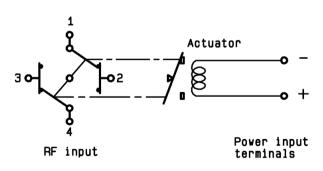




PAGE **2/2** ISSUE 10-07-19 SERIE: DPDT PART NUMBER: **R577412002 DRAWING** [0.909] 23.10  $\oplus$ **LABEL RADIALL®** 4 x M3 R577412002 depth 3.50 0 - 18 GHz Un: 12V [0.138 min.] 3.50 min. Lot : \_ \_ \_ \_ 0.303 max.] 1.555 max. 39.50 max. General tolerances: ±0,5 mm [0,02 in]

# SCHEMATIC DIAGRAM

Position: De energized



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