# **Technical Data Sheet**



DPDT Ramses SMA2.9 40GHz Latching Indicators 28Vdc Positive common Pins Terminals

PAGE 1/2 ISSUE 06-02-18 SERIE : DPDT PART NUMBER : R577843012

#### **RF CHARACTERISTICS**

Frequency range : 0 - 40 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40
VSWR max	1.30	1.40	1.50	1.70	1.90
Insertion loss max	0.30 dB	0.40 dB	0.50 dB	0.70 dB	0.80 dB
Isolation min	70 dB	60 dB	60 dB	55 dB	50 dB
Average power (*)	80 W	60 W	50 W	20 W	10 W

#### **ELECTRICAL CHARACTERISTICS**

Actuator : LATCHING
Nominal current \*\* : 125 mA

Actuator voltage (Vcc) : 28V (24 to 30V) / POSITIVE COMMON Terminals : solder pins (250°C max. / 30 sec.)

Indicator rating : 1 W / 30 V / 100 mA

## MECHANICAL CHARACTERISTICS

Connectors : SMA 2.9 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)







RF input

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PAGE **2/2** ISSUE 06-02-18 SERIE: DPDT PART NUMBER: **R577843012 DRAWING** 0.909 23.10 [0.638] □ 16.20 4 x M3 depth 3.50 LABEL [0.909] 23.10 1 2 +C 1 2 C **RADIALL®** R577843012 0 - 40 GHz Un: 28V 0.138 min. Lot : \_ \_ \_ \_ 3.50 min. 1.555 max. 39.50 max. 0.252 max. 000 000 ® 1.276 □ 32.40 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM Indicator terminals **o** 2 RF Continuity Voltage Ind. **o** 1 C.1 +C **O** C +C -2  $1 \leftrightarrow 2 \ / \ 3 \leftrightarrow 4$ Actuator

Power input

terminals