# **Technical Data Sheet**



SPDT Ramses SMA2.9 40GHz Latching 28Vdc Pins Terminals

PAGE 1/2 ISSUE 22-03-22 SERIE: SPDT PART NUMBER: R570833000

### 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 \*\* : 80 mA

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

#### MECHANICAL CHARACTERISTICS

Connectors : SMA 2.9 female per MIL-C 39012

Life : 10 million cycles

Switching Time\*\*\* : < 10 ms

Construction : Splashproof

Weight : < 45 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)

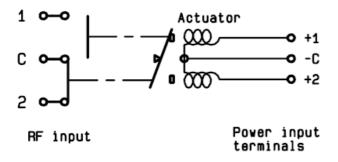


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PAGE **2/2** ISSUE **22-03-22** SERIE: SPDT PART NUMBER: **R570833000 DRAWING** [1.343] 34.10 [0.138 min.] 3.50 min. **LABEL** [0.264 max.] 6.70 max. [1.528 max.] 38.80 max. +2 +1 -C [0.122]**RADIALL®**  $4 \times \bigcirc 3.10$ R570833000 0 - 40 GHz  $\oplus$ Ф  $\oplus$ Un: 28V Lot : \_ \_ \_ \_ 0.441  $\begin{bmatrix} 0.134 \\ 3.40 \end{bmatrix}$ [0.094] 2.40 11.20 С 2 1 0.880 22.35 1.319 33.50 [1.500] 38.10 000 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM



Voltage	RF Continuity		
-C +1	C ↔ 1		
-C +2	$C \leftrightarrow 2$		

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