Technical Data Sheet



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

PAGE 1/2 ISSUE 06-02-18 SERIE : SPDT PART NUMBER : R570813000

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 : FAILSAFE
Nominal current ** : 102 mA

Actuator voltage (Vcc) : 28V (24 to 30V)

Terminals : solder pins (250°C max. / 30 sec.)

MECHANICAL CHARACTERISTICS

Connectors : SMA 2.9 female per MIL-C 39012

Life : 10 million cycles

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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NO

RF input

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PAGE **2/2** ISSUE 06-02-18 SERIE: SPDT PART NUMBER: **R570813000 DRAWING** [1.343] 34.10 [0.138 min.] 3.50 min. **LABEL** [0.264 max.] 6.70 max. 1.528 max. 38.80 max. 0.122 **RADIALL®** $4 \times 0 3.10$ R570813000 0 - 40 GHz \oplus Ф \oplus Un : 28V Lot : ____ 0.441 [0.134] 3.40 11.20 NO С NC 0.880 22.35 1.319 33.50 [1.500] 38.10 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM Position Energized: NC O-O Actuator Voltage RF Continuity $\mathsf{C} \leftrightarrow \mathsf{NC}$ De-energized $C \leftrightarrow NO$ energized

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Power input

terminals