Technical Data Sheet



SPDT Ramses SMA2.9 40GHz Latching Self-cut-off 12Vdc TTL Diodes
Pins Terminals

PAGE 1/2 ISSUE 22-03-22 SERIE : SPDT PART NUMBER : R570852100

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 ** : 210 mA

Actuator voltage (Vcc) : 12V (10.2 to 13V)

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

Self cut-off time : 40 ms < CT < 120 ms

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 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)

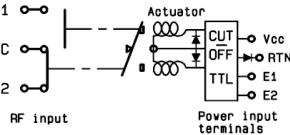






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PAGE **2/2** ISSUE 22-03-22 SERIE: SPDT PART NUMBER: **R570852100 DRAWING** [1.343] 34.10 [0.138 min.] 3.50 min. LABEL [0.264 max.] 6.70 max. [1.528 max.] 38.80 max. E2 E1 GND VCC [0.122]**RADIALL®** $4 \times \sqrt[6]{3.10}$ R570852100 0 - 40 GHz Ф \oplus Un: 12V Lot : _ _ _ _ 0.441 [0.134] 3.40 11.20 С 2 1 0.880 22.35 [1.319] 33.50 [1.500] 38.10 **3** 0000 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM



TTL input	RF Continuity	
E1=1 / E2=0	$C \leftrightarrow 1$	
E1=0 / E2=1	$C \leftrightarrow 2$	
E1=0 / E2=0	Memory	
E1=1 / E2=1	Forbidden	