Technical Data Sheet



SPDT Terminated Ramses SMA2.9 40GHz Failsafe 12Vdc TTL Diodes Internal loads Pins terminals

PAGE 1/2 ISSUE 09-03-21 SERIE : SPDT ZC PART NUMBER : R585812300

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 ** : 500 mA

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

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

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 : 2 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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PAGE **2/2** ISSUE **09-03-21** SERIE: SPDT ZC PART NUMBER: **R585812300 DRAWING** 2.189 55.6 0 **((** 0.44 0.44 11.18 11.18 [0.138 min.] LABEL 3.5 min. GND Vcc 0 - 40 GHz Un: 12V **RADIALL®** R585812300 [1.917 max.] 48.7 max. Lot : _ _ _ _ [0.122]4 x ♥ 3.1 NO С NC Ф [0.252 max.] 6.4 max. [0.441] [0.094] 2.4 11.2 [1.321] 33.55 **((** General tolerances: ±0,5 mm [0,02 in] **SCHEMATIC DIAGRAM** RF input 50Ω Termination Actuator **₹**₩0~ RF Continuity TTL input -OVcc E = 0C↔NC / NO↔500 NO 0 -ORTN E = 1C↔NO / NC↔50Ω TTL ΘE Power input terminals ¥W0-0 50Ω Termination Position : de-energized