Technical Data Sheet



SPDT Terminated Ramses SMA 18GHz Failsafe 12Vdc TTL Diodes Internal loads Pins terminals

PAGE 1/2 ISSUE 09-03-21 SERIE : SPDT ZC PART NUMBER : R585412300

RF CHARACTERISTICS

Frequency range : 0 - 18 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18
VSWR max	1.20	1.30	1.40	1.50
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB
Isolation min	80 dB	70 dB	60 dB	60 dB
Average power (*)	240 W	150 W	120 W	100 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 / 800μA at 5.5 V

- Low level : 0 to 0.8 V / $20\mu A$ at 0.8 V

MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012

Life : 2 million cycles

Switching Time*** : < 10 msConstruction : 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)



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PAGE **2/2** ISSUE **09-03-21** SERIE: SPDT ZC PART NUMBER: **R585412300 DRAWING** [2.189] 55.6 0.44 0.44 11.18 11.18 [0.138 min.] LABEL 3.5 min. GND Vcc 0 - 18 GHz Un: 12V **RADIALL®** R585412300 Lot : _ _ _ [0.122] [0.094]NO С NC 4 x ¯ Ø 3.1 [0.059 max.] 1.5 max. [0.303 max.] 7.7 max. [0.441] 11.2 [1.321] 33.55 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM RF input 50Ω Termination Actuator **₹**₩~ 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