



SPDT Terminated Ramses SMA 18GHz Failsafe Indicators 12Vdc TTL

Diodes Internal loads Pins terminals

PAGE 1/2 ISSUE 09-03-21 SERIE : SPDT ZC PART NUMBER : R585422300

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.)

Indicator rating : 1 W / 30 V / 100 mA

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 female per MIL-C 39012

Life : 2 million cycles

Switching Time*** : < 10 ms

Construction : 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: **R585422300 DRAWING** 2.189 55.6 0.44 0.44 11.18 11.18 [0.138 min.] LABEL 3.5 min. e GND Vcc 0 - 18 GHz 2N0 1NC C Un: 12V **RADIALL®** R585422300 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** Indicator terminals RF input _o 1NC _o 2N0 50Ω Termination -0 C Actuator ₹W0-RF Continuity TTL input Indicator E = 0C↔NC / NO↔50Ω C.1NC OVcc E = 1 C↔NO / NC↔50Ω C.2NO NO 0--ortn -оE NC o-d Power input terminals ₹W0-0 50Ω Termination Position : de-energized