Technical Data Sheet



SPDT Terminated Ramses SMA 3GHz Failsafe 12Vdc TTL Diodes Internal loads Pins terminals

PAGE 1/2 ISSUE 09-03-21 SERIE : SPDT ZC PART NUMBER : R585312300

RF CHARACTERISTICS

Frequency range : 0 - 3 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3
VSWR max	1.20
Insertion loss max	0.20 dB
Isolation min	80 dB
Average power (*)	240 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 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)



Technical Data Sheet



SPDT Terminated Ramses SMA 3GHz Failsafe 12Vdc TTL Diodes Internal loads Pins terminals

PAGE **2/2** ISSUE **09-03-21** SERIE: SPDT ZC PART NUMBER: **R585312300 DRAWING** [2.189] 55.6 0.44 0.44 11.18 11.18 [0.138 min.] LABEL 3.5 min. GND Vcc 0 - 3 GHz Un: 12V **RADIALL®** R585312300 Lot : _ _ _ _ [0.122] [0.094]4 x Ø 3.1 NO С NC [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