# **Technical Data Sheet**



SPDT Terminated Ramses SMA 3GHz Latching 28Vdc TTL Diodes Internal loads Pins terminals

PAGE 1/2 ISSUE 09-03-21 SERIE : SPDT ZC PART NUMBER : R585333300

### 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 : LATCHING
Nominal current \*\* : 160 mA

Actuator voltage (Vcc) : 28V (24 to 30V)

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**



 $50\Omega$  Termination

SPDT Terminated Ramses SMA 3GHz Latching 28Vdc TTL Diodes Internal loads Pins terminals

PAGE **2/2** ISSUE **09-03-21** SERIE: SPDT ZC PART NUMBER: **R585333300 DRAWING** [2.189] 55.6 0.44 0.44 11.18 11.18 [0.138 min.] LABEL 3.5 min. EŽ E1 GND Vcc 0 - 3 GHz Un: 28V **RADIALL®** R585333300 Lot : \_ \_ \_ \_ [0.122] [0.094]4 x Ø 3.1 С 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  $50\Omega$  Termination Actuator ¥₩~ RF Continuity TTL input C↔1 / 2↔50Ω E1=1 / E2=0 -⊙Vcc E1=0 / E2=1 C↔2 / 1↔50Ω **→**ORTN E1=0 / E2=0 Memory -0E1 E1=1 / E2=1 Forbidden -0E2 0 Power input terminals