



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

PAGE 1/2 ISSUE 09-03-21 SERIE : SPDT ZC PART NUMBER : R585472300

### **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 : NORMALLY OPEN

Nominal current \*\* : 250 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 / 20µA 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)



# **Technical Data Sheet**



50Ω Termination

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

PAGE **2/2** ISSUE **09-03-21** SERIE: SPDT ZC PART NUMBER: **R585472300 DRAWING** [2.189] 55.6 0 0.44 0.44 11.18 11.18 [0.138 min.] LABEL 3.5 min. E2 E1 GND Vcc 0 - 18 GHz Un: 12V **RADIALL®** R585472300 Lot:\_\_\_\_ [0.122][0.094]С 1 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 ¥₩0-RF Continuity TTL input E1=1 / E2=0  $C \leftrightarrow 1 / 2 \leftrightarrow 50\Omega$ -OVcc E1=0 / E2=1 C↔2 / 1↔50Ω **→**O RTN E1=0 / E2=0 1↔50Ω / 2↔50Ω -0E1 E1=1 / E2=1 Forbidden -0E2 Power input terminals