# **Technical Data Sheet**



SPDT Terminated Ramses SMA 18GHz Normally open 28Vdc Internal loads Pins terminals

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# 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 \*\* : 102 mA

Actuator voltage (Vcc) : 28V (24 to 30V) / NEGATIVE COMMON
Terminals : solder pins (250°C max. / 30 sec.)

#### 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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 $50\Omega$  Termination

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PAGE **2/2** ISSUE **09-03-21** SERIE: SPDT ZC PART NUMBER: **R585473200 DRAWING** [2.189] 55.6 0 0.44 0.44 11.18 11.18 [0.138 min.] LABEL 3.5 min. +2 +1 -C 0 - 18 GHz Un: 28V **RADIALL®** R585473200 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] 33.55 000 General tolerances: ±0,5 mm [0,02 in] **SCHEMATIC DIAGRAM** RF input 50Ω Termination Actuator ₹W0--0 RF Continuity Voltage -0+2 -C +1  $C \leftrightarrow 1 / 2 \leftrightarrow 50\Omega$ -O-C  $C\leftrightarrow 2/1\leftrightarrow 50\Omega$ 1↔50Ω / 2↔50Ω 0+1 De-energized Power input terminals