



SPDT Terminated Ramses SMA 18GHz Failsafe Indicators 28Vdc TTL

Diodes 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 : FAILSAFE
Nominal current \*\* : 205 mA

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

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 / 20 $\mu$ A 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: **R585423300 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 1NC C 2N0 Un: 28V **RADIALL®** [1.917 max.] 48.7 max. R585423300 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 ⊚ ∘ **6**000 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM Indicator terminals RF input \_o 1NC \_o 2N0 50Ω Termination -0 C Actuator \$-WW-RF Continuity TTL input Indicator E = 0C↔NC / NO↔50Ω C.1NC OVcc E = 1C↔NO / NC↔50Ω C.2NO NO 0--ortn -оE NC o-d Power input terminals ₹W0-0  $50\Omega$  Termination Position : de-energized