



SPDT Terminated Ramses SMA 18GHz Latching Indicators 12Vdc Positive common 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 : LATCHING
Nominal current ** : 420 mA

Actuator voltage (Vcc) : 12V (10.2 to 13V) / POSITIVE COMMON Terminals : solder pins (250°C max. / 30 sec.)

Indicator rating : 1 W / 30 V / 100 mA

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: **R585442240 DRAWING** [2.189] 55.6 0.44 0.44 11.18 11.18 [0.138 min.] LABEL 3.5 min. •C 0 - 18 GHz Un: 12V **RADIALL®** R585442240 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 **@@@ %** 00 0 General tolerances: ±0,5 mm [0,02 in] **SCHEMATIC DIAGRAM** Indicator terminals RF input -01 -02 50Ω Termination -O C Actuator RF Continuity Voltage Ind. ₹W0 С +C C↔1 / 2↔50Ω 0-1 +C -2 $C\leftrightarrow 2/1\leftrightarrow 50\Omega$ **4**0+C -0-5 Power input terminals ∞ \$W0-0 50Ω Termination