



SPDT Terminated Ramses SMA 26.5GHz Latching Self-cut-off 28Vdc
TTL Diodes Internal loads Pins terminals

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RF CHARACTERISTICS

Frequency range : 0 - 26.5 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18	18 - 26.5
VSWR max	1.20	1.30	1.40	1.50	1.70
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB	0.70 dB
Isolation min	80 dB	70 dB	60 dB	60 dB	55 dB
Average power (*)	240 W	150 W	120 W	100 W	40 W

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING
Nominal current ** : 160 mA

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

Terminals : solder pins (250°C max. / 30 sec.)

Self cut-off time : 40 ms < CT < 120 ms

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)







50Ω Termination

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PAGE 2/2 ISSUE **09-03-21** SERIE: SPDT ZC PART NUMBER: R585F53300 **DRAWING** [2.189] 55.6 0.44 0.44 11.18 11.18 [0.138 min.] LABEL 3.5 min. E2 E1 GND Vcc 0 - 26.5 GHz Un: 28V **RADIALL®** R585F53300 Lot : _ _ _ [0.122] [0.094]С 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↔1 / 2↔50Ω CUT E1=0 / E2=1 C↔2 / 1↔50Ω OFF **→**ortn E1=0 / E2=0 Memory ∞ -0E1 E1=1 / E2=1 Forbidden -0E2 Power input

terminals