



SPDT Terminated Ramses SMA2.9 40GHz Latching Self-cut-off 28Vdc
Diodes External loads Pins terminals

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RF CHARACTERISTICS

Frequency range : 0 - 40 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40
VSWR max	1.30	1.40	1.50	1.70	1.90
Insertion loss max	0.30 dB	0.40 dB	0.50 dB	0.70 dB	0.80 dB
Isolation min	70 dB	60 dB	60 dB	55 dB	50 dB
Average power (*)	80 W	60 W	50 W	20 W	10 W

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING
Nominal current ** : 160 mA

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

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

MECHANICAL CHARACTERISTICS

Connectors : SMA 2.9 female per MIL-C 39012

Life : 10 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: **R585853400 DRAWING** [2.189] 55.6 0.44 0.44 ้า1.18ี ้า1.18ี [0.138 min.] **LABEL** 3.5 min. +2 +1 -C 0 - 40 GHz Un: 28V **RADIALL®** R585853400 [1.917 max.] 48.7 max. Lot : _ _ _ [0.122]4 x ♥ 3.1 С [0.252 max.] 6.4 max. 0.441 0.094 [0.827 max.] 21 max. 11.2 [1.321] 33.55 **(** General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM RF input 50Ω Termination Actuator →~WE RF Continuity Voltage 0+1 -C $C \leftrightarrow 1 / 2 \leftrightarrow 50\Omega$ **→-**0-C -C +2 $C\leftrightarrow 2/1\leftrightarrow 50\Omega$ CUT OFF -0+2 Power input terminals $50\,\Omega$ Termination