Technical Data Sheet



DP3T Ramses SMA 26.5GHz Latching Self-cut-off 28Vdc TTL Diodes

Pins terminals

PAGE 1/2 ISSUE 09-03-21 SERIE : DP3T PART NUMBER : R585F53100

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 / 800μA at 5.5 V**

- Low level : 0 to 0.8 V / 20 μ A at 0.8 V

MECHANICAL CHARACTERISTICS

Connectors : SMA 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: DP3T PART NUMBER: R585F53100 **DRAWING** [0.559] 14.2 2.189 55.6 0 0.44 0.44 11.18 ั้า1.18 [0.44]0.44 ้า1.18ี ์ 11.18 0.138 min. LABEL 3.5 min. E2 E1 GND VCC 0 - 26.5 GHz Un: 28V **RADIALL®** [1.917 max.] 48.7 max. R585F53100 Lot : _ _ _ _ 0.122 4 x ¯ Ø 3.1 3 5 0.441 11.2 [1.321] 33.55 General tolerances: ±0,5 mm [0,02 in] **SCHEMATIC DIAGRAM** RF input Actuator 0-RF Continuity TTL input E1=1 / E2=0 1 ↔ 2 / CUT OVcc E1=0 / E2=1 $2 \leftrightarrow 3 / 4 \leftrightarrow 5$ OFF → ortn E1=0 / E2=0 Memory E1=1 / E2=1 Forbidden -0E1 -0E2 Power input terminals