Technical Data Sheet



DPDT Ramses SMA2.9 40GHz Failsafe 28Vdc TTL Diodes Pins Terminals

PAGE 1/2 ISSUE 17.12.14 SERIE : DPDT PART NUMBER : R577813102

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 : FAILSAFE
Nominal current ** : 140 mA

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

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

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 / 20µA at 0.8 V

MECHANICAL CHARACTERISTICS

Connectors : SMA 2.9 female per MIL-C 39012

Life : 2.5 million cycles

Switching Time*** : < 15 msConstruction : 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)



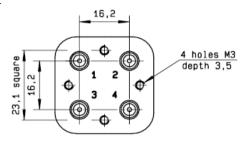
Technical Data Sheet

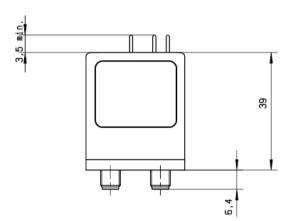


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DRAWING

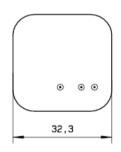






RADIALL® R577813102 0 - 40 GHz Un : 28V Lot : _ _ _

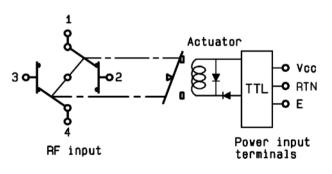




General tolerances: ±0.5 mm

SCHEMATIC DIAGRAM

Position: De energized



TTL input	RF Continuity		
E = 1	$1 \leftrightarrow 3 / 2 \leftrightarrow 4$		
E = 0	$1 \leftrightarrow 2 / 3 \leftrightarrow 4$		

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