Technical Data Sheet



DPDT Ramses SMA 18GHz Latching Self-cut-off 28Vdc TTL Diodes

Pins Terminals with bracket

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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	65 dB	60 dB
Average power (*)	240 W	150 W	120 W	100 W

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING
Nominal current ** : 125 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 : 2.5 million cycles

Switching Time*** : < 15 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)





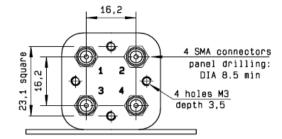


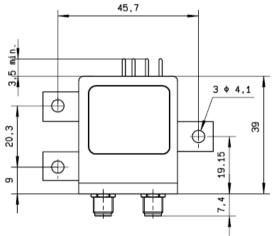
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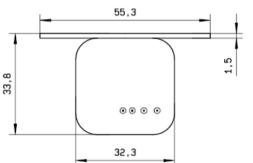
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DRAWING







LABEL

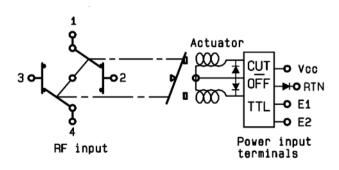
E1 E2 GND VCC

RADIALL® R577453100 0 - 18 GHz Un : 28V Lot : _ _ _



General tolerances: ±0.5 mm

SCHEMATIC DIAGRAM



TTL input	RF Continuity	
E1=1 / E2=0	$1 \leftrightarrow 3 / 2 \leftrightarrow 4$	
E1=0 / E2=1	$1 \leftrightarrow 2 \ / \ 3 \leftrightarrow 4$	
E1=0 / E2=0	Memory	
E1=1 / E2=1	Forbidden	