Technical Data Sheet



DPDT Ramses Low PIM SMA 18GHz Failsafe 12Vdc Pins Terminals with bracket

PAGE 1/2 ISSUE 15.05.15 SERIE : DPDT PART NUMBER : R577412000LP

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

	Passive intermodulation		
Tone 1	1810 MHz, approximately 43 dBm		
Tone 2	1850 MHz, approximately 43 dBm		
3 rd order PIM	- 160 dBc at 1770 MHz		

Depending on application, carrier powers and frequencies, PIM measurements can vary. PIM testing is not measured during product acceptance test.

ELECTRICAL CHARACTERISTICS

Actuator : FAILSAFE
Nominal current ** : 340 mA

Actuator voltage (Vcc) : 12V (10.2 to 13V)

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

MECHANICAL CHARACTERISTICS

Connectors***** : SMA female per MIL-C 39012

Life : 2 million cycles

Switching Time*** : < 15 ms

Construction : Splashproof

Weight : < 100 g

ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : -25°C to +70°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)

(***** Recommended mating torque: 80-120 N.cm



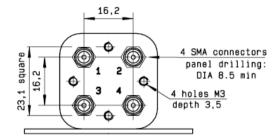
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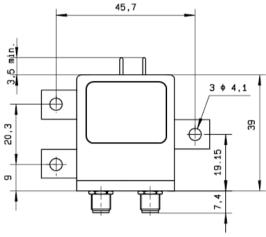


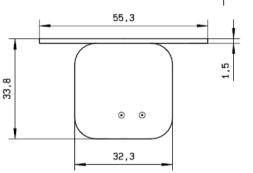
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PAGE 2/2 ISSUE 15.05.15 SERIE : DPDT PART NUMBER : R577412000LP

DRAWING





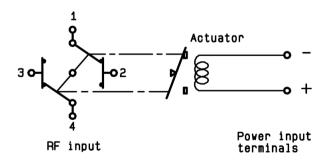


RADIALL®
R577412000LP
0 - 18 GHz
Un : 12V
Lot : _ _ _

General tolerances: ±0.5 mm

SCHEMATIC DIAGRAM

Position: De energized



Voltage	RF Continuity		
energized	$1 \leftrightarrow 3 / 2 \leftrightarrow 4$		
De-energized	$1 \leftrightarrow 2 \ / \ 3 \leftrightarrow 4$		

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