# **Technical Data Sheet**



DPDT Ramses Low PIM SMA 18GHz Failsafe Indicators 28Vdc 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

	Passive intermodulation		
Tone 1	1810 MHz, approximately 43 dBm		
Tone 2	1850 MHz, approximately 43 dBm		
3 <sup>rd</sup> 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 \*\* : 140 mA

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

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

Indicator rating : 1 W / 30 V / 100 mA

## 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)





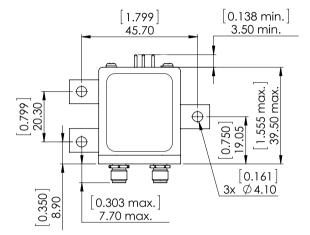


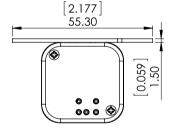
DPDT Ramses Low PIM SMA 18GHz Failsafe Indicators 28Vdc Pins

Terminals with bracket

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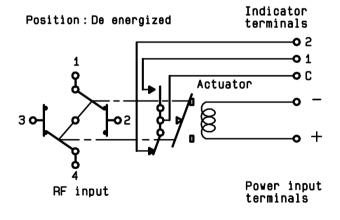
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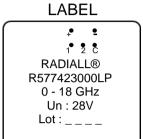




General tolerances: ±0,5 mm [0,02 in]

### SCHEMATIC DIAGRAM





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

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