# **Technical Data Sheet**



SP6T Ramses Low PIM SMA 18GHz Latching Indicators 28Vdc Positive common Pins Terminals

PAGE 1/2 ISSUE 05-06-15 SERIE : SPnT PART NUMBER : R573433610LP

#### RF CHARACTERISTICS

Number of ways : 6

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	60 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 : LATCHING

Nominal current \*\* : 125 mA / RESET : 750 mA \*\*\*\*

Actuator voltage (Vcc) : 28V (24 to 30V) / POSITIVE COMMON
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 : 2.000.000 cycles per position

Switching Time\*\*\* : < 15 msConstruction : Splashproof
Weight : < 180 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)

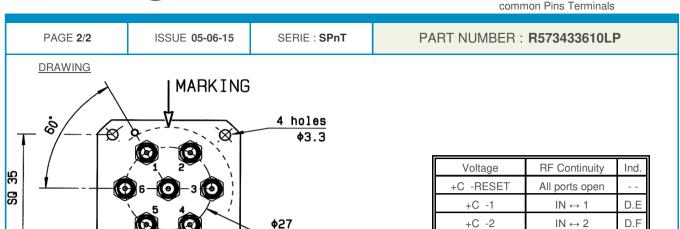
(\*\*\*\*\* Recommended mating torque: 80-120 N.cm

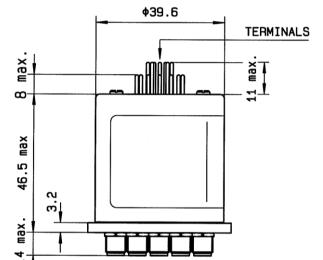






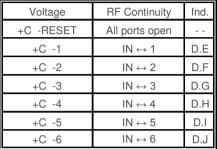
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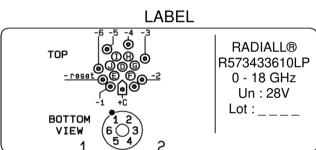




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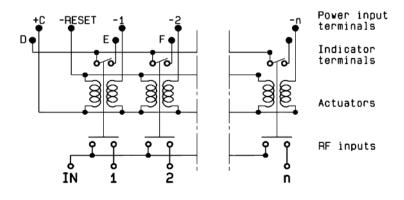
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General tolerances: ±0.5 mm

## SCHEMATIC DIAGRAM



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