Technical Data Sheet



SP4TRamses Low PIM SMA 18GHz Normally open 28Vdc Pins Terminals

PAGE 1/2 ISSUE 28-06-16 SERIE : SPnT PART NUMBER : R573403400LP

RF CHARACTERISTICS

Number of ways : 4

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 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 : NORMALLY OPEN

Nominal current ** : 102 mA

Actuator voltage (Vcc) : 28V (24 to 30V) / NEGATIVE COMMON
Terminals : solder pins (250°C max. / 30 sec.)

MECHANICAL CHARACTERISTICS

Connectors***** : SMA female per MIL-C 39012
Life : 2.000.000 cycles per position

Switching Time*** : < 15 ms

Construction : 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)

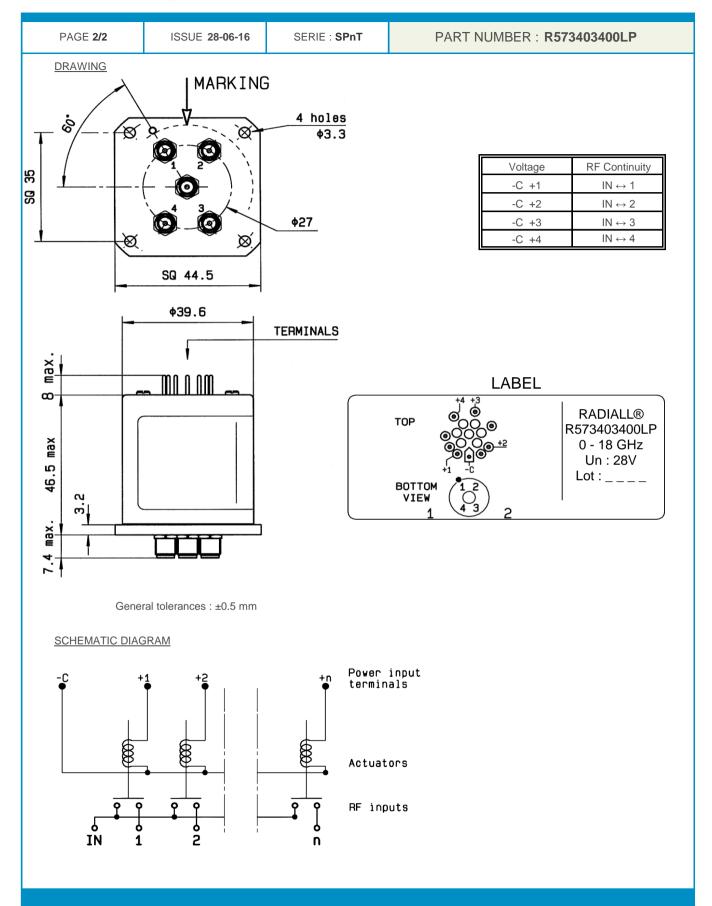


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