## **Technical Data Sheet**



SP4TRamses Low PIM N 12.4GHz Latching 28Vdc D-sub connector

PAGE 1/2 ISSUE 22-09-15 SERIE : SPnT PART NUMBER : R573123405LP

### RF CHARACTERISTICS

Number of ways : 4

Frequency range : 0 - 12.4 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4
VSWR max	1.20	1.35	1.50
Insertion loss max	0.20 dB	0.35 dB	0.50 dB
Isolation min	80 dB	70 dB	60 dB
Average power (*)	400 W	250 W	200 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 : 500 mA \*\*\*\*

Actuator voltage (Vcc) : 28V (24 to 30V) / NEGATIVE COMMON

Terminals : 25 pins D-SUB male connector

### MECHANICAL CHARACTERISTICS

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

Switching Time\*\*\* : <15 ms

Construction : Splashproof

Weight : < 460 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: 300 N.cm

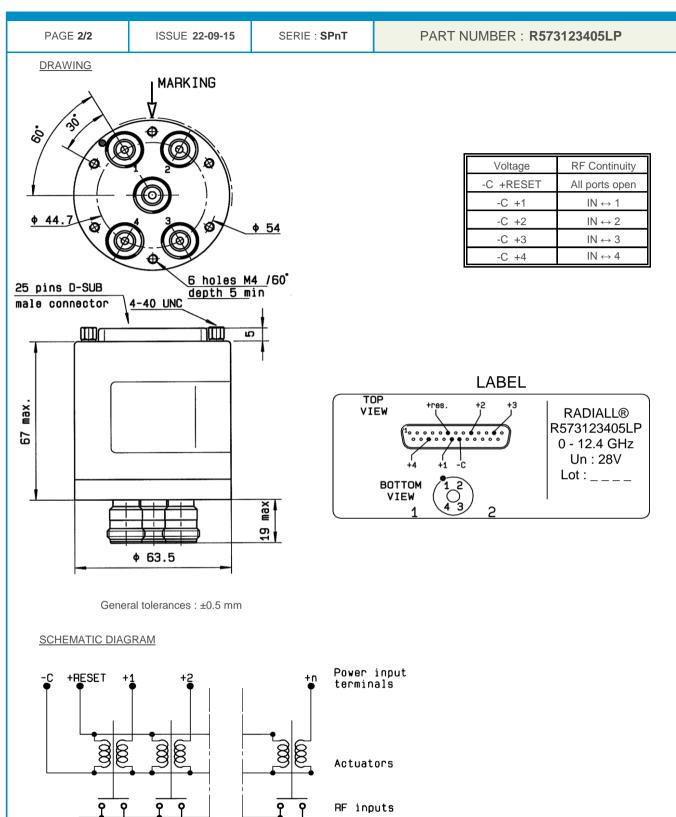


This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatsoever or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication, in the effort to improve our products; we reserve the right to make any changes judged necessary.

# **Technical Data Sheet**



SP4TRamses Low PIM N 12.4GHz Latching 28Vdc D-sub connector



This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatsoever or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication, in the effort to improve our products; we reserve the right to make any changes judged necessary.