Technical Data Sheet

PART NUMBER: R573112435LP



SP4T Ramses Low PIM N 12.4GHz Normally open Indicators 12Vdc

Diodes D-sub connector

RF CHARACTERISTICS

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Number of ways : 4

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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 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.

SERIE: SPnT

ELECTRICAL CHARACTERISTICS

Actuator : NORMALLY OPEN

Nominal current ** : 250 mA

Actuator voltage (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON

Terminals : 25 pins D-SUB male connector

Indicator rating : 1 W / 30 V / 100 mA

MECHANICAL CHARACTERISTICS

Connectors***** : N female per MIL-C 39012
Life : 2 million cycles per position

Switching Time*** : < 15 msConstruction : 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)



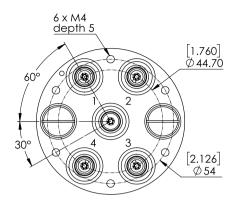




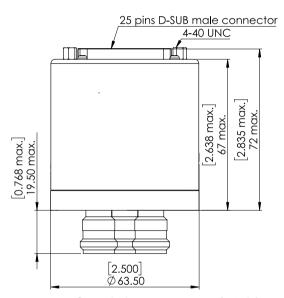
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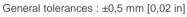
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DRAWING

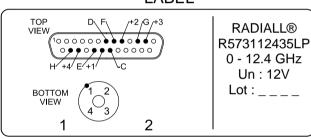


| Voltage | RF Continuity | Ind. |
|---------|------------------------|------|
| -C +1 | $IN \leftrightarrow 1$ | D.E |
| -C +2 | $IN \leftrightarrow 2$ | D.F |
| -C +3 | $IN \leftrightarrow 3$ | D.G |
| -C +4 | $IN \leftrightarrow 4$ | D.H |



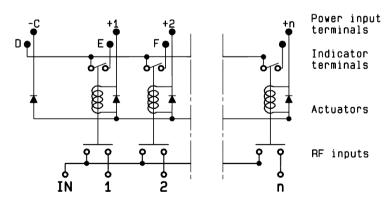


LABEL





SCHEMATIC DIAGRAM



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