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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 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 : 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)



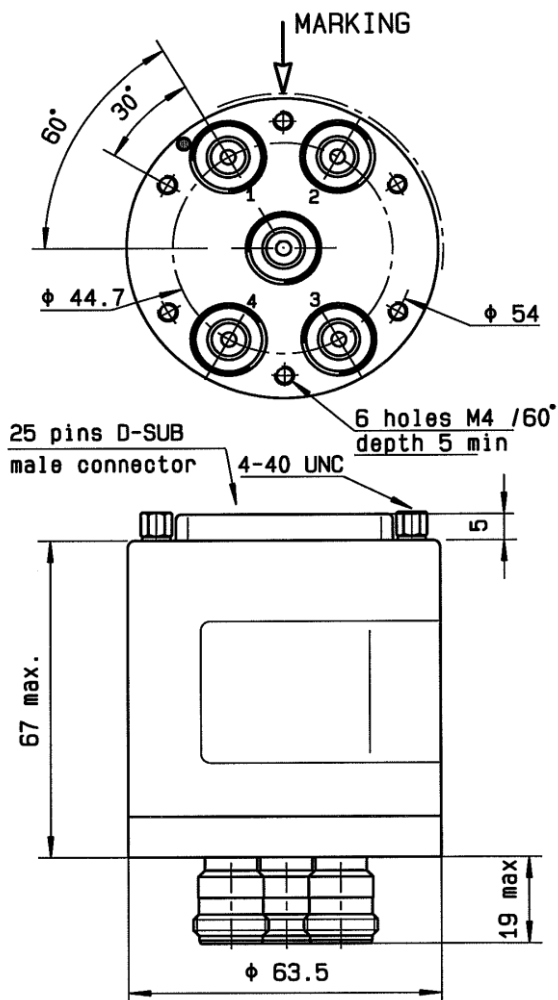
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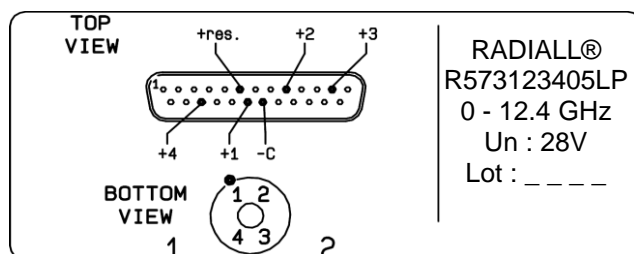
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DRAWING



| Voltage | RF Continuity |
|-----------|----------------|
| -C +RESET | All ports open |
| -C +1 | IN ↔ 1 |
| -C +2 | IN ↔ 2 |
| -C +3 | IN ↔ 3 |
| -C +4 | IN ↔ 4 |

LABEL



General tolerances : ±0.5 mm

SCHEMATIC DIAGRAM

