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ISSUE 22-09-15

SERIE : SPnT

PART NUMBER : R573123400LP

## 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 : solder pins (250°C max. / 30 sec.)

## 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



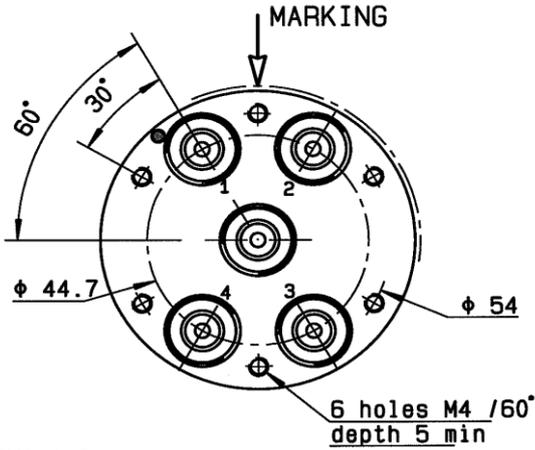
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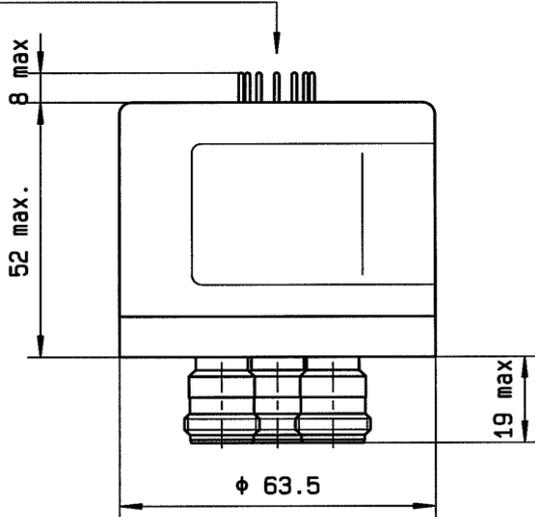
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DRAWING



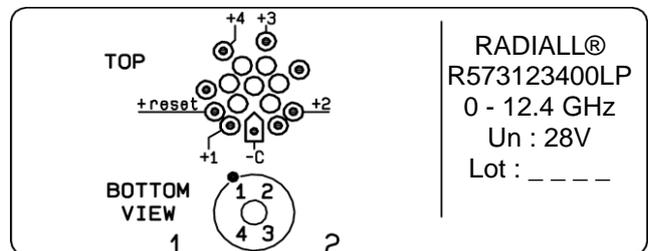
| Voltage   | RF Continuity  |
|-----------|----------------|
| -C +RESET | All ports open |
| -C +1     | IN ↔ 1         |
| -C +2     | IN ↔ 2         |
| -C +3     | IN ↔ 3         |
| -C +4     | IN ↔ 4         |

TERMINALS



General tolerances : ±0.5 mm

LABEL



SCHEMATIC DIAGRAM

