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SERIE : SPnT

PART NUMBER : R573103645LP

## RF CHARACTERISTICS

Number of ways : 6  
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 : NORMALLY OPEN  
Nominal current \*\* : 102 mA  
Actuator voltage (Vcc) : 28V (24 to 30V) / POSITIVE COMMON  
Terminals : 25 pins D-SUB male connector

## MECHANICAL CHARACTERISTICS

Connectors\*\*\*\*\* : N female per MIL-C 39012  
Life : 2 million 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)



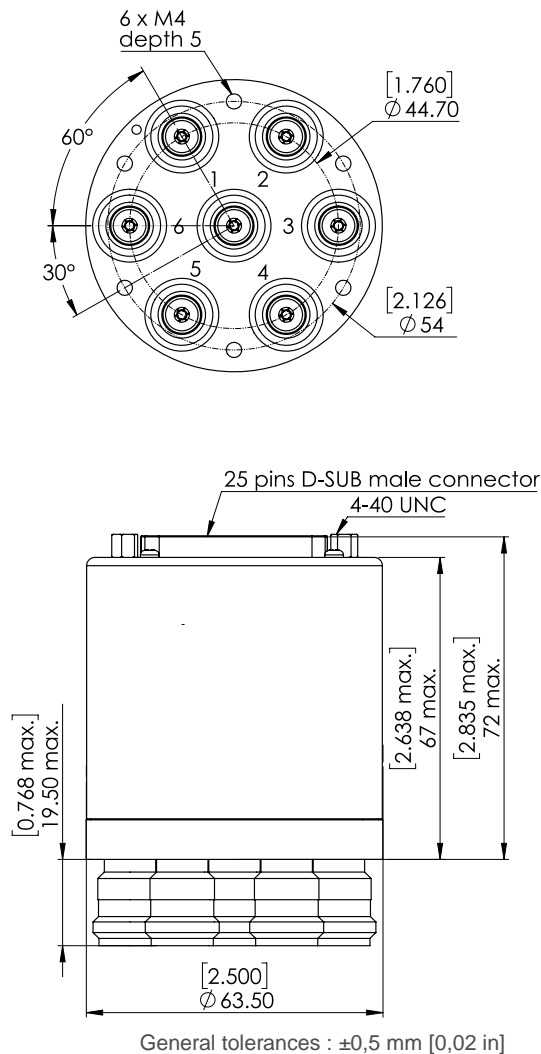
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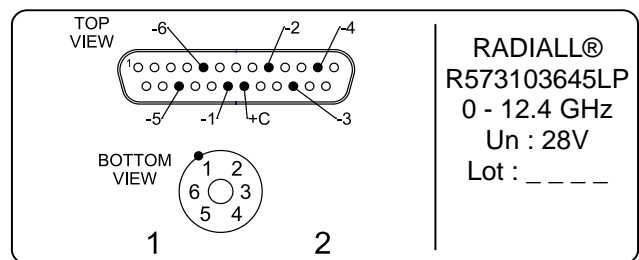
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DRAWING



| Voltage | RF Continuity |
|---------|---------------|
| +C -1   | IN ↔ 1        |
| +C -2   | IN ↔ 2        |
| +C -3   | IN ↔ 3        |
| +C -4   | IN ↔ 4        |
| +C -5   | IN ↔ 5        |
| +C -6   | IN ↔ 6        |

**LABEL**



SCHEMATIC DIAGRAM

