

High Power Standard Resistor

FEATURES

- For high power measurement
- Excellent long-term stability
- Compact size. Usable in air. Low temperature coefficient for small resistance values
- Temperature efficient design to control self-heating
- Certificate of Calibration and Inspection sheets traceable to NMIJ* are provided at shipment.
*NMIJ: National Metrology Institute of Japan

MASS

Approx. 600g (1.3 lbs)

DESCRIPTION

The LSR series is developed to meet the requirements of high current / low resistance applications. Bulk Metal® Foil resistive elements are used to ensure the best long-term stability and lowest temperature coefficient is achieved.

The enclosure is made of perforated aluminum to allow effective temperature dissipation, especially under conditions of high electrical power.

The LSR can be used in air without oil bath or cooling unit, it is suitable for a wide range of applications, such as high precision measurements, calibration in corporate metrology labs, and a reference for precision power supplies, etc.

HIGH CURRENT OPTION

Ability to change terminal knobs for measuring the power up to 4W (63A) for 1 mΩ type (see the picture). Add P to the end of model number, when ordering.

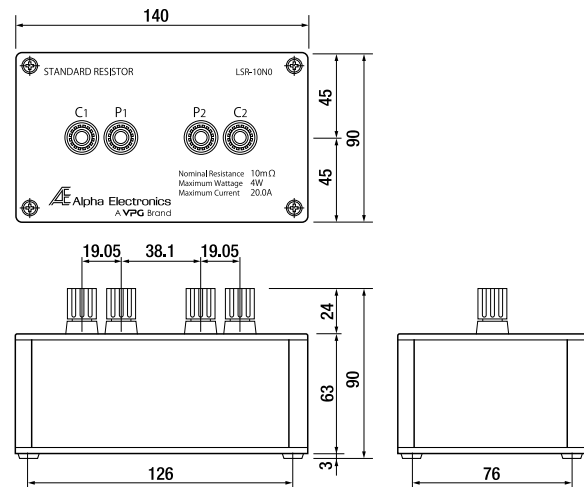
Type: LSR-1N0P

The spacing between voltage terminals is 19.05 mm.



High Current Option

CONFIGURATION in millimeters



SPECIFICATIONS

| Series | Nominal Value | Accuracy | Temp. Coefficient | Stability | Power Rating | Power Coefficient | Storage Temp. Range | Max. Working Current | Max. Working Voltage | Working Temp. Range | Number of Terminals |
|---------|---------------|----------|-------------------|-----------|--------------|-------------------|---------------------|----------------------|----------------------|---------------------|---------------------|
| | | ppm | ppm/°C | | | | | | | | |
| LSR-1N0 | 1 mΩ | ±100 | ±2.5 | ±20 | 1 | ±0.025 | 0~50 | 31.6 | 31.6 | 18~28 | 4 |
| LSR-10N | 10 mΩ | ±50 | | ±10 | 4 | | | 20.0 | 200 | | |
| LSR-R10 | 100 mΩ | ±25 | | ±10 | 4 | | | 6.32 | 632 | | |

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