

## 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, Calibration Report and Traceability Chart traceable to NMIJ\* are available per request

\*NMIJ: National Metrology Institute of Japan

### MASS

Approx. 600 g (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 4 W (63 A) for 1 mΩ type (see the picture). Add P to the end of model number, when ordering.

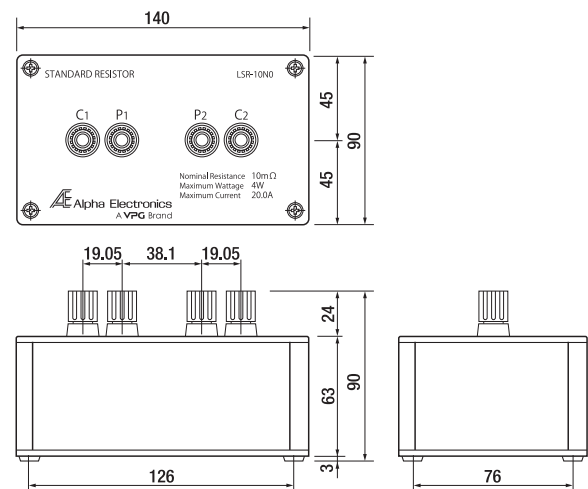
Type: LSR-N10P 0.1 mΩ high current version is capable to be loaded up to 100 A

Type: LSR-1N0P Terminal space between P1 and P2: 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	ppm	W	ppm/mW	°C	A	mV	°C		
LSR-N10P	0.1 mΩ	±100	±5	±20	1	±0.025	0-50	100	10.0	18-28	4	
LSR-1N0	1 mΩ		±2.5		±10				31.5			31.6
LSR-1N0P									63.2			63.2
LSR-10N	10 mΩ	±50		4				20.0	200			
LSR-R10	100 mΩ	±25		6.32				632				