



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## 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.

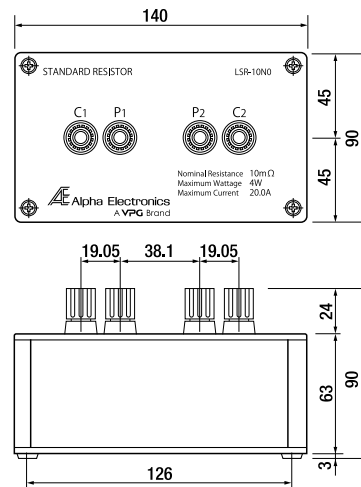
Type: LSR-1N0P

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		