

LSR Series

STANDARD RESISTORS LSR Series



The LSR series is developed to meet the requirements of high current/low resistance applications. 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.

FEATURES

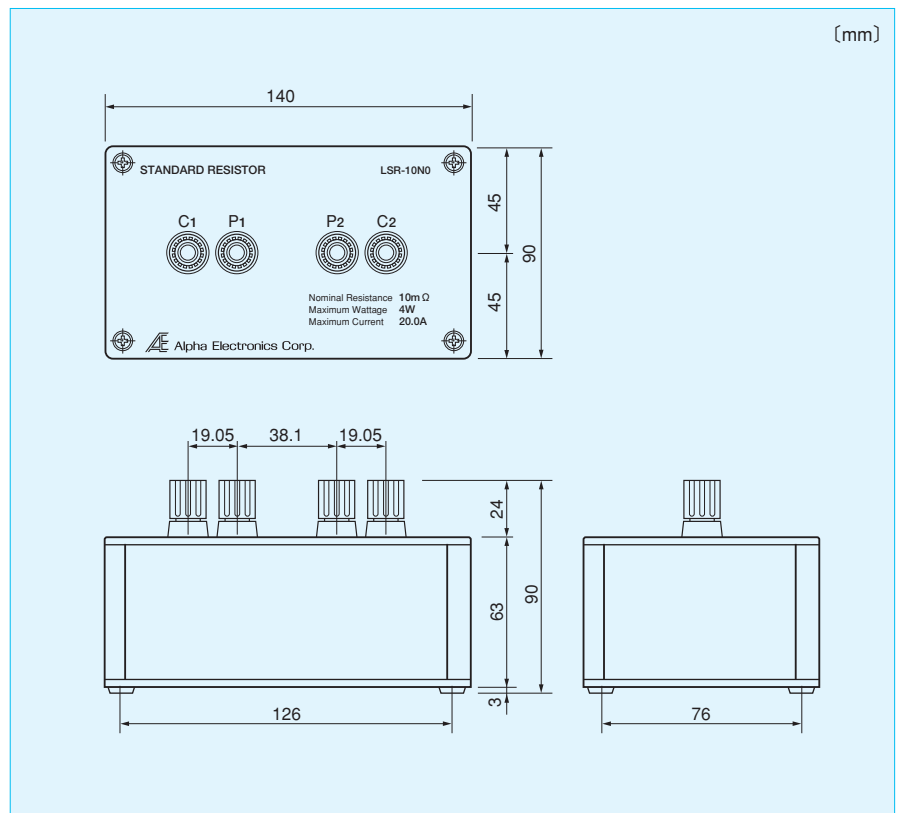
- For high power measurement
- Excellent long-term stability
- Compact size. Usable in air.
Low temperature coefficient for small resistance values
- Temperature efficient design to control self-heating
- Certificate of Calibration and Inspection sheets traceable to NMIJ(*) are provided at shipment.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

WEIGHT

≒ 600g (1.3 lbs)



CONFIGURATION



HIGH CURRENT OPTION

Available high power version with special terminals for measuring up to 4W(63 A) for 1mΩ type (see the picture). Add P to the end of model #, when ordering.

Type: LSR-1N0P The spacing between voltage terminals is 19.05 mm.

SPECIFICATIONS

Series	Nominal value	Accuracy	Temperature coefficient	Stability	Power rating	Power coefficient	Storage temperature range	Max. working current	Max. working voltage	Working temperature range	Number of terminals
		ppm	ppm/°C	ppm	W	ppm/mW	°C	A	mV	°C	
LSR-1N0	1mΩ	±100	±2.5	±20	1	0.025	0~50	31.6	31.6	18~28	4
LSR-10N	10mΩ	±50		±10	4			20.0	200		
LSR-R10	100mΩ	±25						6.32	632		