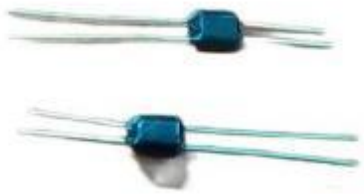


Type: LCR- 1506

Optocoupler

A linear optocoupler is a photoelectric device that controls resistance changes through changes in input current. It is a linear optoelectronic coupling device made from CDS and LED semiconductors, which have undergone strict selection, aging, and testing. This product belongs to the current input control type and the pure resistance non-polar output control type.

Performance and Features

- Pure resistive material, non-polar output
- Wide range analog linear resistor, low resistance conduction, high resistance shutdown
- Simple circuit structure suitable for DC and AC applications
- Input and output isolation, low distortion coupling

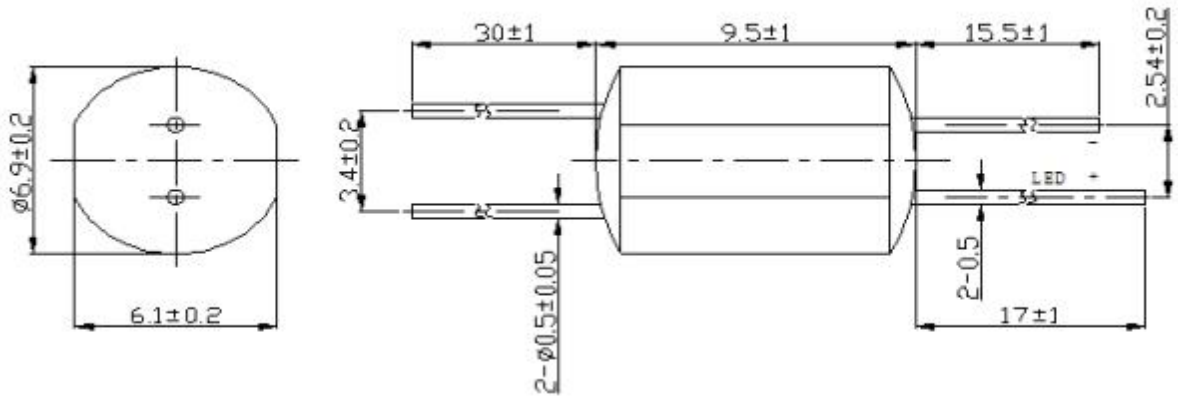
Application

- Sound amplifier protection and control.
- Volume control and electrical isolation coupling.
- Light adjustment and motor speed regulation.
- Communication transmission and automatic control.

Models and specification

Model	LCR-1506
Package	Dual inline, 4-pin
Input current	0—20 mA, max 40mA
Input voltage	1.3—2.5 Vdc
Output brightness resistance	50Ω-1KΩ@20mA-0.01mA
Output brightness resistance	1-10M Ω @ 10s off later 1-10M Ω, measurement after 10s off
Response time	＜2.5mS
Insulation voltage	＞2500VRMS
Working frequency	＜300KHz
Output terminal withstand voltage	＜50V
Kinetic energy range	＜100dB
DC coupling capacitor	＜5pF
Maximum power consumption	200mW
Operating temperature	-30—+70℃
Storage temperature	-40—+80℃

Dimensional Drawing



Unit:mm

Packaging and Precautions

- The recommended pin soldering is at a distance of ≥ 4mm from the bottom of the optocoupler. Ensure that the welding temperature is between 260 ℃ and 280 ℃, and complete the welding within 3 seconds without exceeding the rated range. During or after the welding process, external forces should be avoided from acting on the pins, and repeated welding is not allowed.
- Avoid storing optocouplers in damp and high temperature environments;
- 100 in small packaging and 3000 in large packaging.

Note: Senba Sensing reserves the right to make changes, corrections, enhancements, modifications, and improvements to the product specifications at any time without prior notice.