

1. Description

The KEL-209A is a high-power GaAlAs IRED mounted in a TO-18 metal stem with clear epoxy encapsulation, providing wide beam angle.

2. Features

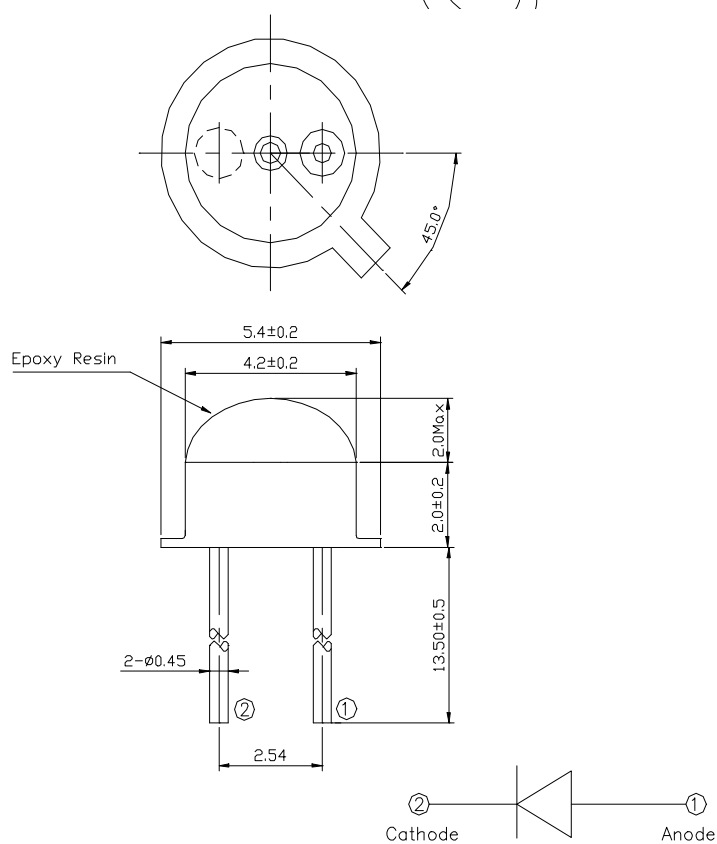
- ◆ High Output Power
- ◆ Wide Beam Angle $\pm 90^\circ$
- ◆ Epoxy Potting Type

3. Applications

- ◆ Optical Switches
- ◆ Transportation Sensor
- ◆ Toys

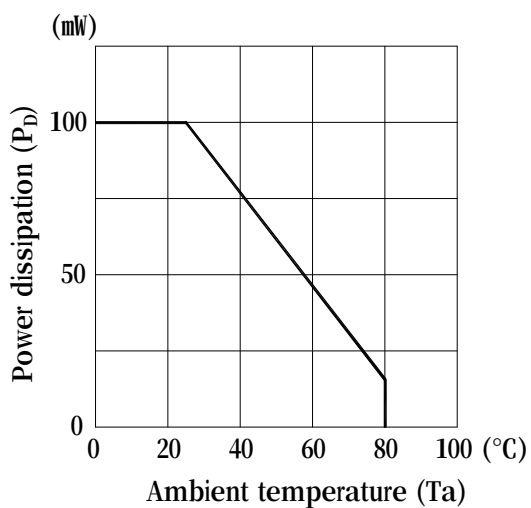
4. Package Outline

ALL DIMENSIONS IN MILLIMETERS

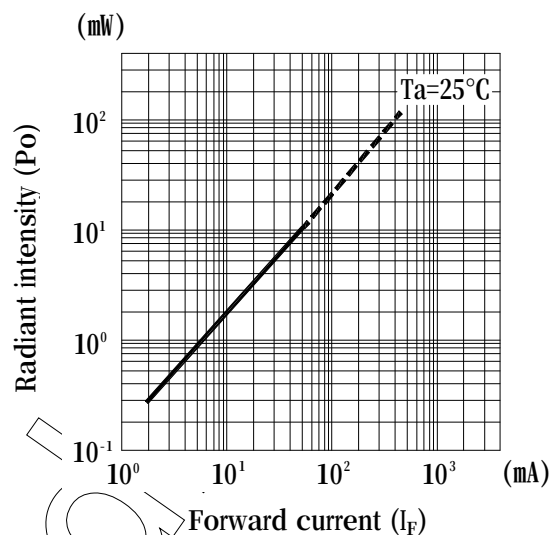


◆ Typical Characteristics

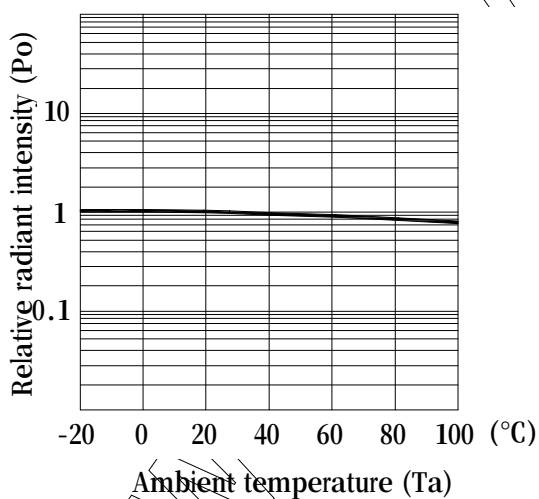
■ Power dissipation Vs Ambient temperature



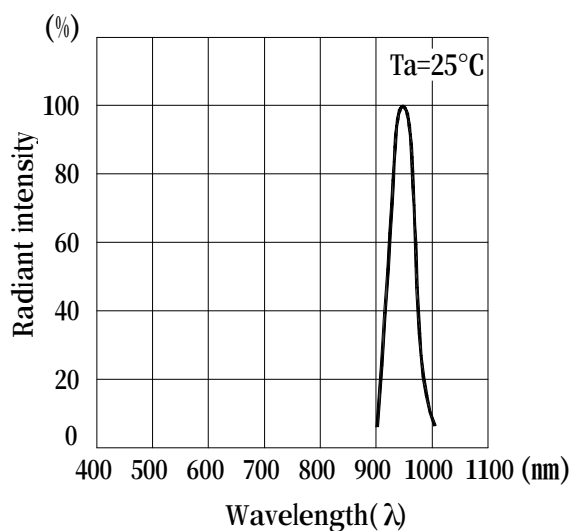
■ Radiant intensity Vs Forward current



■ Relative radiant intensity Vs Ambient temperature

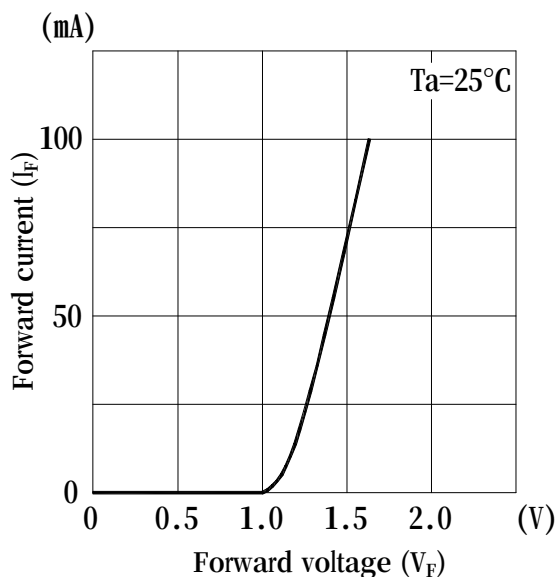


■ Relative intensity Vs Wavelength

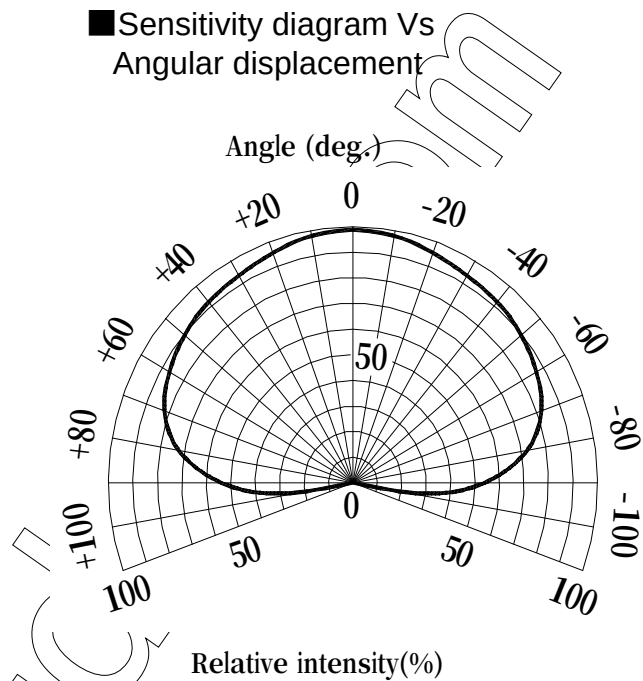


◆ Typical Characteristics

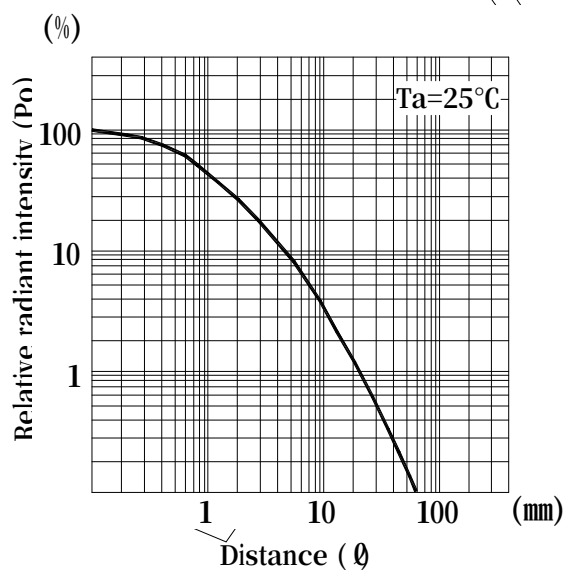
■ Forward current Vs Forward voltage



■ Sensitivity diagram Vs Angular displacement



■ Relative radiant intensity Vs Distance



■ Relative radiant intensity Vs Distance (Drawing of measurement system)

