

Point Source LEDs KED080RAXH

Characteristics

- High reliability and long life
- 80µm emitting area

Applications

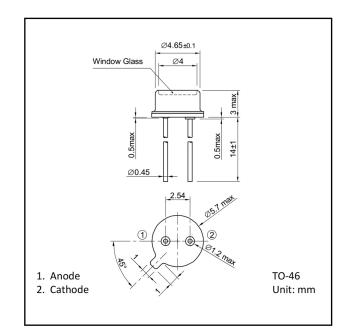
- High speed optical sensors
- Optical encoders

Chip Material

GaAlAs

Package

• TO-CAN





Absolute Maximum Ratings

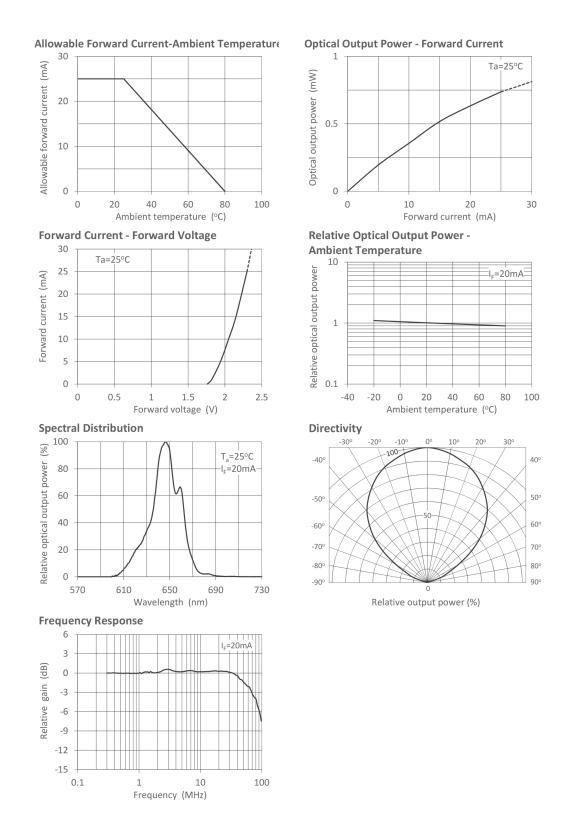
| Parameter | Symbol | Value | Unit | Conditions |
|-----------------------|------------------|-------------|------|------------------------|
| Reverse voltage | V _R | 3 | V | |
| | | | | - |
| Forward current | I _F | 25 | mA | - T _a =25 |
| | | | | |
| Operating temperature | T _{opr} | -20 to +80 | | Avoid dew condensation |
| Storage temperature | T _{stg} | -30 to +100 | | Avoid dew condensation |

Electrical and Optical characteristics

(T_a=25 unless otherwise noted)

| Parameter | Symbol | Min. | Тур. | Max. | Unit | Conditions |
|----------------------|----------------|------|------|------|------|----------------------|
| Reverse Current | I _R | - | - | 10 | μA | V _R =3V |
| Forward voltage | V _F | - | 2.2 | 3.0 | V | I _F =20mA |
| | | | | | | |
| Optical output power | Po | - | 0.6 | - | mW | I _F =20mA |
| | | | | | | |
| Peak wavelength | | _ | 650 | _ | nm | I _F =20mA |
| | р | | 050 | | | |
| Half angle | 2 | - | 115 | - | deg. | I _F =20mA |
| | | | | | | |
| Cutoff frequency | f _c | - | 70 | - | MHz | I _F =20mA |







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