

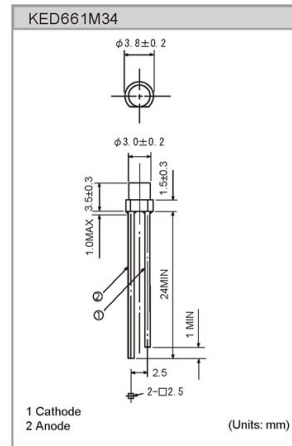
Plastic Mold Visible LEDs KED661M34

Features

- Transparent epoxy mold
- Direct modulation

Applications

- Optical switches
- Optical instruments
- Automatic control apparatus



Specifications

Absolute Maximum Ratings

| Parameter | Symbol | Value | Unit | Conditions |
|-----------------------|-----------|-------------|------|---------------------------------------|
| Forward current | I_F | 50 | mA | $T_a=25$ |
| Peak forward current | I_{FP} | 0.5 | A | Puls width=100 μ s, Duty ratio=1% |
| Reverse voltage | V_R | 5 | V | |
| Power dissipation | P_D | 120 | mW | |
| Operating temperature | T_{opr} | -20 to +80 | | Avoid dew condensation |
| Storage temperature | T_{stg} | -20 to +100 | | Avoid dew condensation |

Electrical and Optical characteristics

| Parameter | Symbol | Value | | | Unit | Conditions |
|--------------------------|-------------|-------|------|-----|---------|-------------|
| | | Min. | Typ. | Max | | |
| Forward voltage | V_F | | 1.8 | 2.3 | V | $I_F=20$ mA |
| Reverse Current | I_R | | | 10 | μ A | $V_R=5$ V |
| Luminous Intensity I_v | L_V | | 30 | | mcd | $I_F=20$ mA |
| Optical output power | P_O | | 3.7 | | mW | $I_F=20$ mA |
| Peak wavelength | λ_p | | 660 | | nm | $I_F=20$ mA |
| Spectral width | | | 23 | | nm | $I_F=20$ mA |
| Half angle | 2θ | | 96 | | deg | $I_F=20$ mA |

