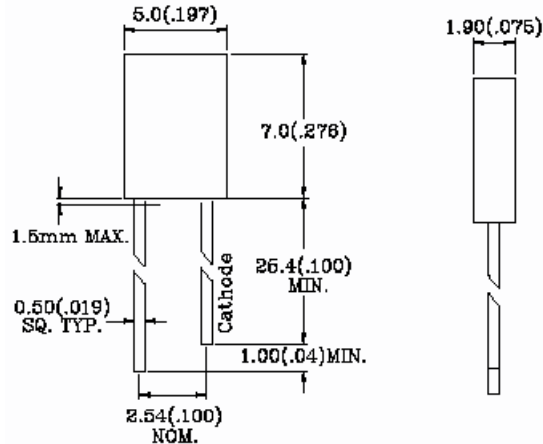
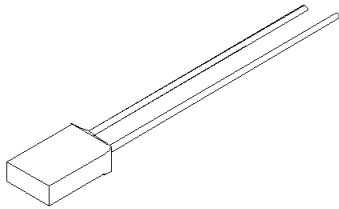


2mm x 5mm x7 mm, Rectangular LED, Diffused

TECHNICAL DATA
DATA SHEET 3545, REV. 1.3



Notes: All dimensions are in mm (inch)
Tolerance is ± 0.25 mm (0.01") unless otherwise specified

Absolute Maximum Rating: ($T_a = 25^\circ\text{C}$)

| Symbol | Description | Max | Unit |
|---|-----------------------------|---|------|
| P_D | Power dissipation | 80 | mW |
| V_R | Reverse voltage | 5 | V |
| I_F | Forward current | 30 | mA |
| T_{opr} | Operating temperature range | -30°C to 80°C | |
| T_{stg} | Storage temperature range | -35°C to 85°C | |
| Lead soldering temperature $\leq 260^\circ\text{C}$ for 5 seconds | | | |

Electro-optical Characteristic: ($T_a = 25^\circ\text{C}$)

| Part No. | Chip | | Wavelength (nm) | Lens Type | V _f @ 20mA | I _v (mcd) @20mA | Viewing Angle $2\theta_{1/2} (^\circ)$ |
|------------|----------|--------|-----------------|-----------------|-----------------------|----------------------------|--|
| | Material | Color | | | Typ. | Typ. | |
| LT527F-RD | GaP | Red | 700 | Red Diffused | 2.1 | 4 | 110 |
| LT527F-RED | GaAsP | Red | 635 | Red Diffused | 2.0 | 10 | 110 |
| LT527F-GD | GaP | Green | 565 | Green Diffused | 2.1 | 8 | 110 |
| LT527F-YED | GaAsP | Yellow | 586 | Yellow Diffused | 2.1 | 8 | 110 |
| LT527F-YTD | GaAlInP | Amber | 590 | Yellow Diffused | 2.0 | 40 | 110 |

Features

- Versatile mounting on PCB or panel
- Choice of different colors and intensity
- Higher luminous efficiency than incandescent lamp
- General purpose leads
- Reliable and rugged
- Diffusants, tints and optical design are balanced to yield superior light output

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