

## T-1(3 mm) Round Shape LED

### 264-7xx Series

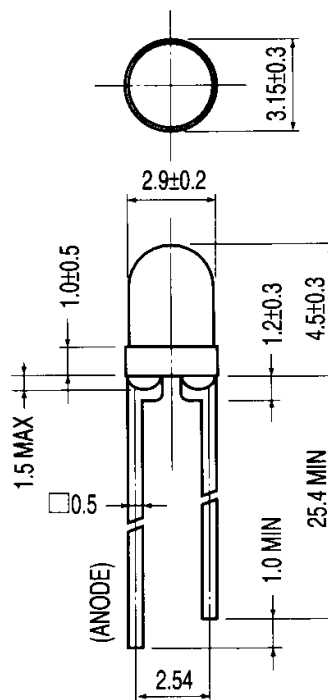
#### Features:

- SMALL FLANGE WITH STAND-OFF.
- LONG LIFE-SOLID STATE RELIABILITY.
- LONG LEAD LENGTH (25.4mm).

#### Descriptions:

- The shape of this series is round.
- General application is for indication, illumination, etc.
- These LED lamps are available with a choice of different colors, light intensities, epoxy colors, etc.

#### Package Dimensions:



#### NOTES:

1. All dimensions are in millimeters.
2. An epoxy meniscus may extend about 1.5mm (0.059") down the lead.

#### Selection Guide

| MODEL      | MATERIAL  | LENS COLOR      | EMITTED COLOR |
|------------|-----------|-----------------|---------------|
| EL-264-7HD | GaP       | Red Diffused    | Bright Red    |
| EL-264-7ID | GaAsP/GaP | Red Diffused    | Hi-Eff Red    |
| EL-264-7GD | GaP       | Green Diffused  | Green         |
| EL-264-7YD | GaAsP/GaP | Yellow Diffused | Yellow        |
| EL-264-7AD | GaAsP/GaP | Amber Diffused  | Amber         |
| EL-264-7HT | GaP       | Red Trans.      | Bright Red    |
| EL-264-7IT | GaAsP/GaP | Red Trans.      | Hi-Eff Red    |
| EL-264-7GT | GaP       | Green Trans.    | Green         |
| EL-264-7YT | GaAsP/GaP | Yellow Trans.   | Yellow        |

## Absolute Maximum Ratings at Ta=25°C

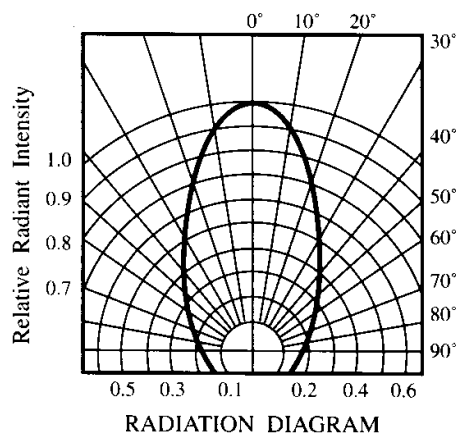
| PARAMETER  | BRIGHT RED          | HI.EFF. RED ORANGE | GREEN | YELLOW | AMBER | UNIT |
|--|---------------------|--------------------|-------|--------|-------|------|
| Power Dissipation  | 45                  | 100                | 100   | 85     | 85    | mW   |
| Peak Forward Current<br>(1/10 Duty Cycle, 0.1ms Pulse Width) | 50                  | 160                | 160   | 160    | 160   | mA   |
| Continuous Forward Current                                   | 15                  | 30                 | 30    | 20     | 20    | mA   |
| Reverse Voltage  | 5                   | 5                  | 5     | 5      | 5     | V    |
| Operating Temperature Range                                  | -40°C to -85°C      |                    |       |        |       |      |
| Storage Temperature Range                                    | -40°C to 100°C      |                    |       |        |       |      |
| Lead Soldering Temperature<br>[1.6mm(0.063in)From Body]      | 260°C for 5 seconds |                    |       |        |       |      |

## Optical/Electrical Characteristics at Ta=25°C

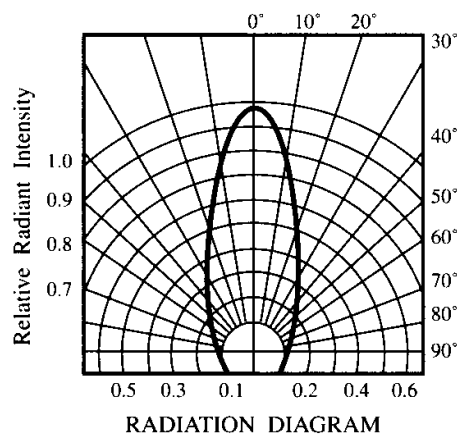
| MODEL      | $\lambda p$ | ELECTRO-OPTICAL CHARACTERISTICS (At 10mA) |      |      |         |      | VIEWING<br>ANGLE<br>2 $\theta$ 1/2 |
|------------|-------------|---|------|------|---------|------|------------------------------------|
|            |             | Vf(V)                                     |      |      | Iv(mcd) |      |                                    |
|            |             | Min.                                      | Typ. | Max. | Min.    | Typ. | (deg)                              |
| EL-264-7HD | 697         | 1.7                                       | 2.1  | 2.8  | 1.6     | 2.8  | 60                                 |
| EL-264-7ID | 635         | 1.7                                       | 2.0  | 2.8  | 4.0     | 6.3  | 60                                 |
| EL-264-7GD | 565         | 1.7                                       | 2.1  | 2.8  | 6.3     | 10   | 60                                 |
| EL-264-7YD | 585         | 1.7                                       | 2.0  | 2.8  | 6.3     | 10   | 60                                 |
| EL-264-7AD | 600         | 1.7                                       | 2.0  | 2.8  | 6.3     | 1.0  | 60                                 |
| EL-264-7HT | 697         | 1.7                                       | 2.1  | 2.8  | 2.0     | 4.0  | 40                                 |
| EL-264-7IT | 635         | 1.7                                       | 2.0  | 2.8  | 10      | 16   | 40                                 |
| EL-264-7GT | 565         | 1.7                                       | 2.1  | 2.8  | 16      | 25   | 40                                 |
| EL-264-7YT | 585         | 1.7                                       | 2.0  | 2.8  | 10      | 16   | 40                                 |

## Viewing Angle:

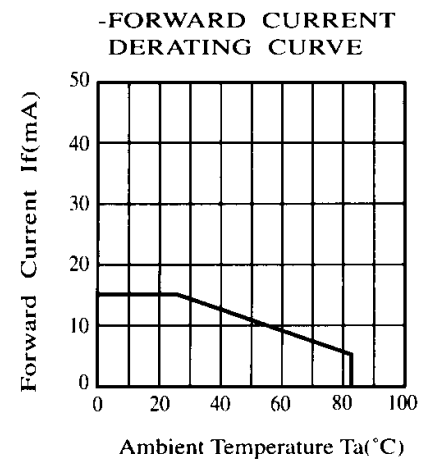
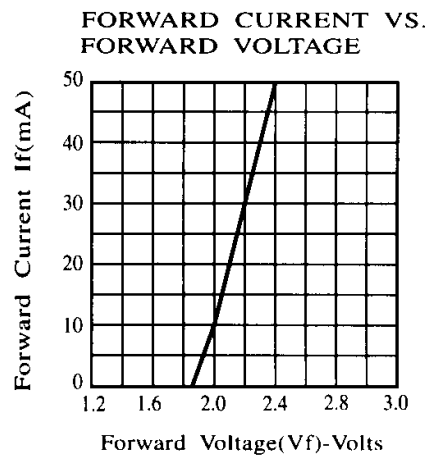
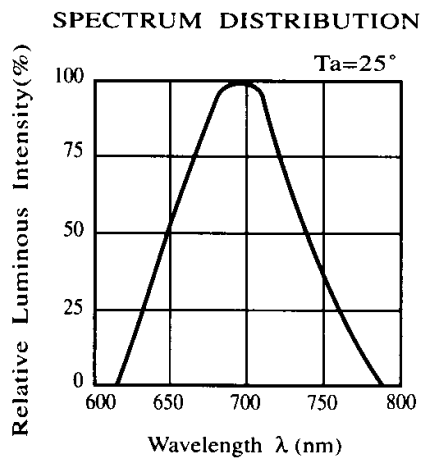
60°



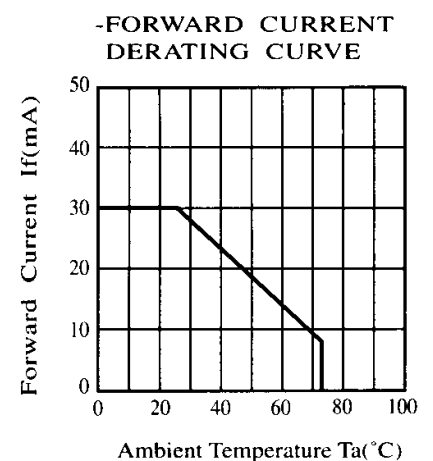
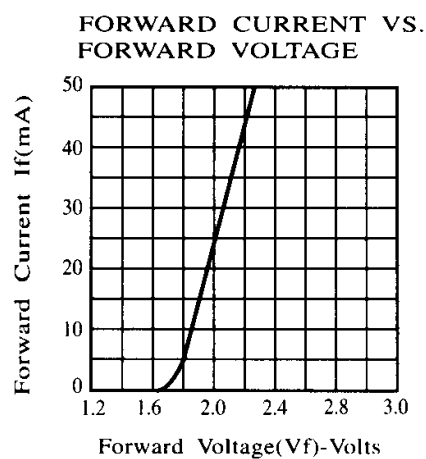
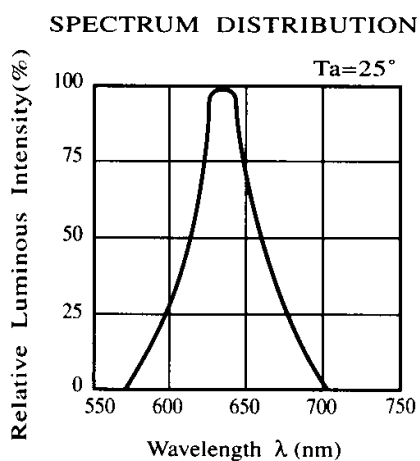
40°



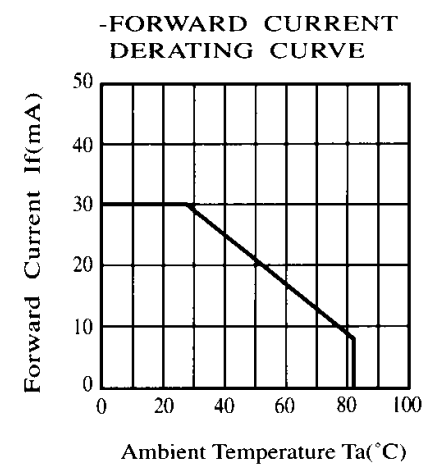
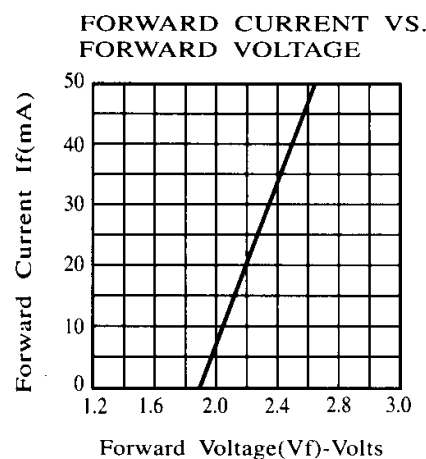
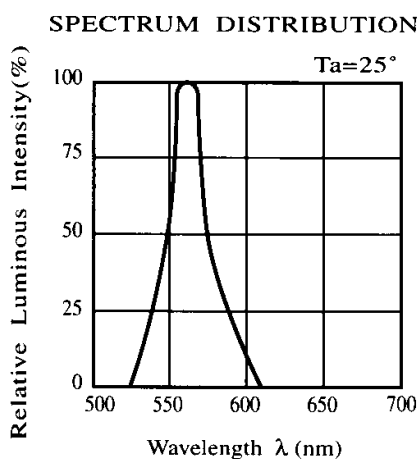
## 264-7HD Series:



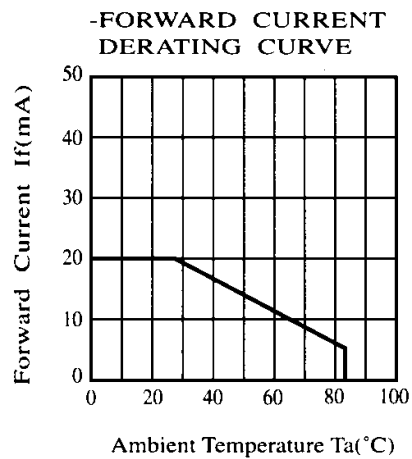
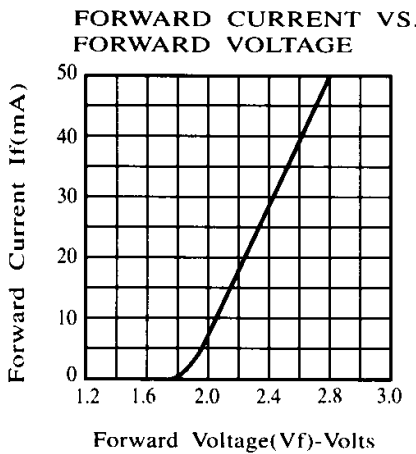
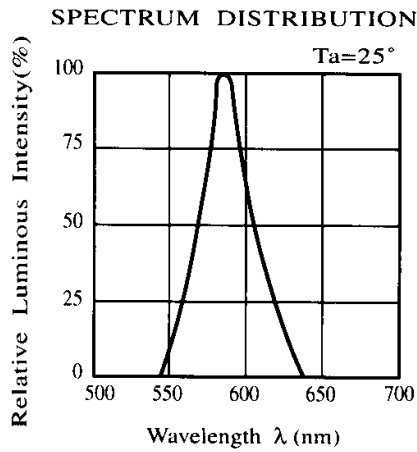
## 264-7ID Series:



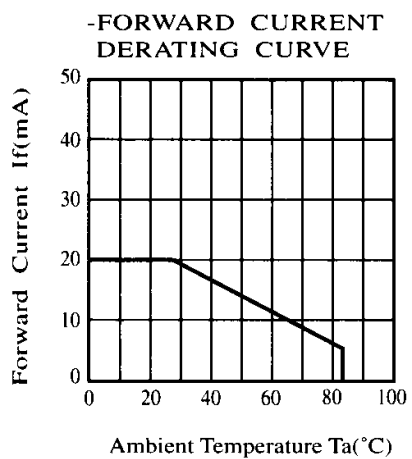
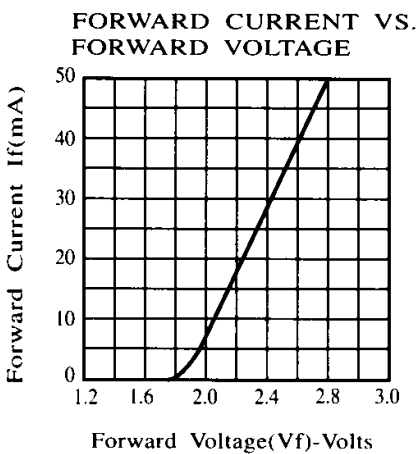
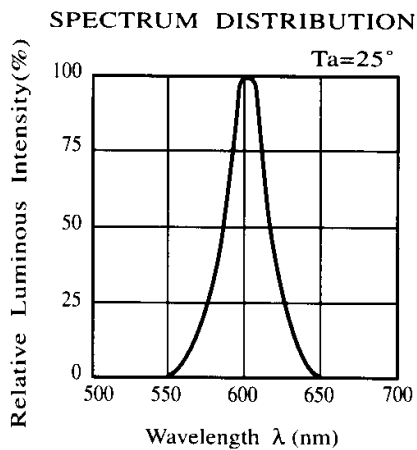
## 264-7GD Series:



### 264-7YD Series:



### 264-7AD Series:



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Everlight:

[EL-264-7GD](#) [EL-264-7HD](#) [EL-264-7IT](#) [EL-264-7YD](#)