

**LIGITEK**

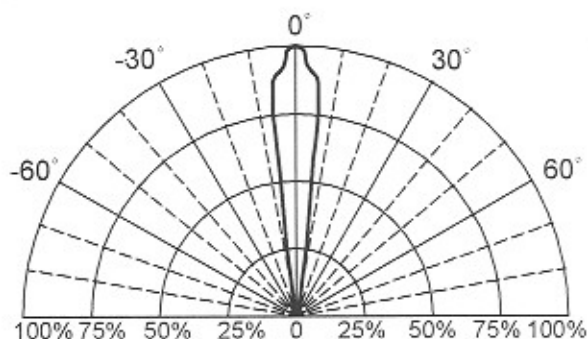
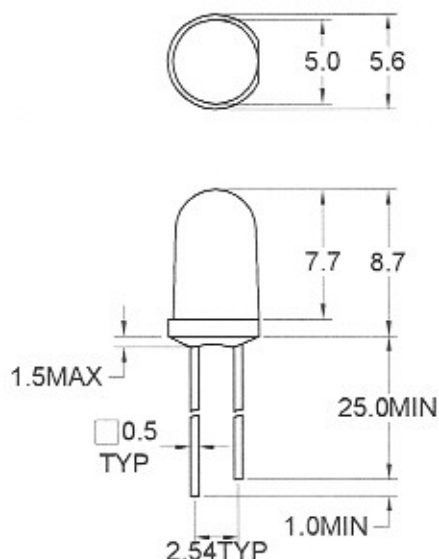
SUPER BRIGHT ROUND TYPE LED LAMPS

**LVX3833**

SERIES

Package Dimension

Directivity Radiation



Note: 1. All dimension are in millimeter tolerance is  $\pm 0.25\text{mm}$  unless otherwise noted  
2. Specifications are subject to change without notice

### • Part Selection And Application Information (Ratings At 25°C Ambient)

| PART NO | MATERIAL | COLOR   |             | Peak wave length<br>$\lambda_{Pnm}$ | Spectral halfwidth<br>$\Delta \lambda \text{ nm}$ | Forward voltage<br>@20mA(V) |      | Luminous intensity<br>@20mA(mcd) |      | Viewing angle<br>$2\theta \ 1/2$<br>(deg) |
|---------|----------|---------|-------------|-------------------------------------|---------------------------------------------------|-----------------------------|------|----------------------------------|------|-------------------------------------------|
|         |          | Emitted | Lens        |                                     |                                                   | Min.                        | Max. | Min.                             | Typ. |                                           |
| LSR3833 | GaAlAs   | Red     | Water Clear | 660                                 | 20                                                | 1.5                         | 2.4  | 450                              | 700  | 12                                        |
| LHR3833 | GaAlAs   | Red     | Water Clear | 660                                 | 20                                                | 1.5                         | 2.4  | 900                              | 1500 | 12                                        |
| LUR3833 | GaAlAs   | Red     | Water Clear | 660                                 | 20                                                | 1.5                         | 2.4  | 1500                             | 2700 | 12                                        |
| LVG3833 | GaP      | Green   | Water Clear | 565                                 | 30                                                | 1.7                         | 2.6  | 300                              | 550  | 12                                        |
|         |          |         |             |                                     |                                                   |                             |      |                                  |      |                                           |
|         |          |         |             |                                     |                                                   |                             |      |                                  |      |                                           |

### • Absolute Maximum Rating (Ta=25°C)

| PARAMETER                               | RED           |     |     | GREEN |     | YELLOW |  |  | ORANGE |  | UNIT | REMARK |
|-----------------------------------------|---------------|-----|-----|-------|-----|--------|--|--|--------|--|------|--------|
|                                         | SR            | HR  | UR  |       | VG  |        |  |  |        |  |      |        |
| Forward Current                         | 30            | 30  | 40  |       | 30  |        |  |  |        |  | mA   |        |
| Peak Forward Current<br>Duty 1/10@10KHz | 100           | 100 | 120 |       | 120 |        |  |  |        |  | mA   |        |
| Power Dissipation                       | 100           |     | 120 | 100   |     |        |  |  |        |  | mW   |        |
| Reverse Current @5v                     | 10            |     |     | 10    |     |        |  |  |        |  | μ A  |        |
| Operating Temperature                   | -40℃ TO +85℃  |     |     |       |     |        |  |  |        |  |      |        |
| Storage Temperature                     | -40℃ TO +100℃ |     |     |       |     |        |  |  |        |  |      |        |

Lead Soldering Temperature 260°C For 5 Seconds(2.0mm From Body)

文件編號: QW0905-LVX3833

版本: G

生效日期: 28 - Aug - 2002