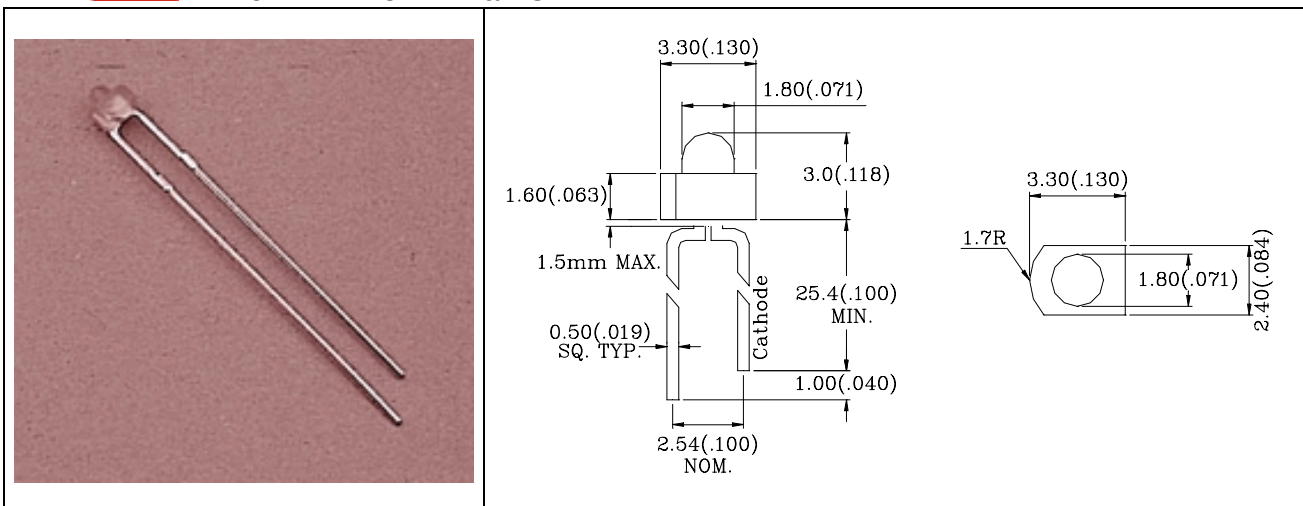
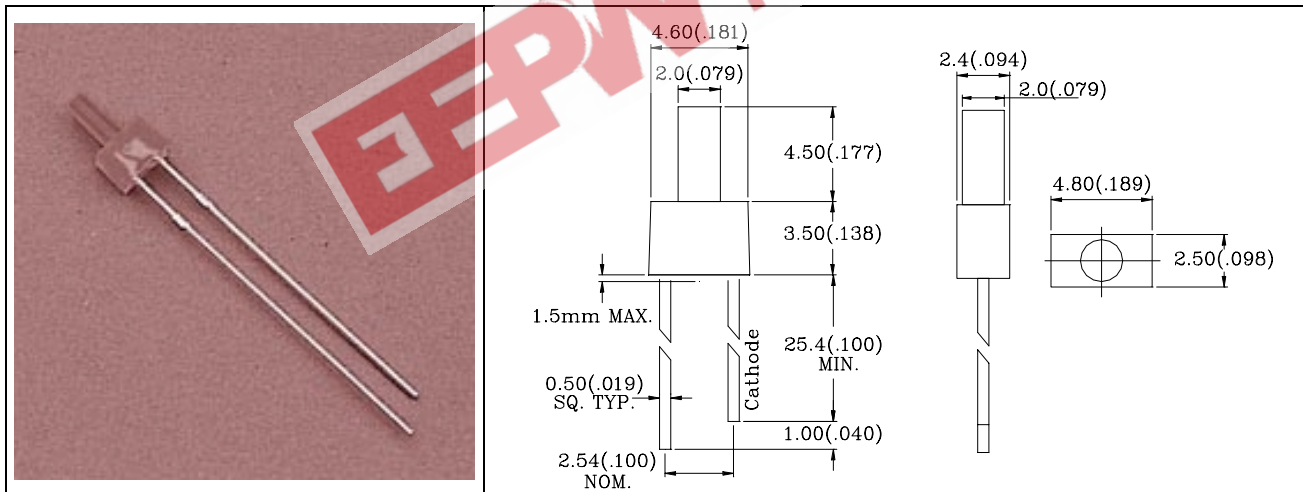


**L-204XX 1.8mm Dia TOWER TYPE LED LAMP**



| Part No. | Chip         |               | Lens Color      | Wave Length<br>λ p(nm) | Electro-Optical Characteristics |      |             | View Angle<br>(deg) |
|----------|--------------|---------------|-----------------|------------------------|---------------------------------|------|-------------|---------------------|
|          | Raw Material | Emitted Color |                 |                        | Vf(V)20mA                       |      | Iv(mcd)10mA |                     |
|          |              |               |                 |                        | Typ.                            | Max. | Typ.        |                     |
| L-204HD  | GaP          | Red           | Red Diffused    | 700                    | 2.1                             | 2.8  | 3.0         | 70                  |
| L-204GD  | GaP          | Green         | Green Diffused  | 565                    | 2.1                             | 2.8  | 6.0         | 70                  |
| L-204YD  | GaAsP/GaP    | Yellow        | Yellow Diffused | 585                    | 2.1                             | 2.8  | 6.0         | 70                  |
| L-204ED  | GaAsP/GaP    | Hi.effi Red   | Red Diffused    | 635                    | 2.0                             | 2.8  | 8.0         | 70                  |
| L-204SRD | GaAlAs       | Super Red     | Red Diffused    | 660                    | 1.8                             | 2.4  | 50.0        | 70                  |

**L-214XX 2.0mm Dia TOWER TYPE LED LAMP**



| Part No. | Chip         |               | Lens Color      | Wave Length<br>λ p(nm) | Electro-Optical Characteristics |      |             | View Angle<br>(deg) |
|----------|--------------|---------------|-----------------|------------------------|---------------------------------|------|-------------|---------------------|
|          | Raw Material | Emitted Color |                 |                        | Vf(V)20mA                       |      | Iv(mcd)10mA |                     |
|          |              |               |                 |                        | Typ.                            | Max. | Typ.        |                     |
| L-214HD  | GaP          | Red           | Red Diffused    | 700                    | 2.1                             | 2.8  | 3.0         | 90                  |
| L-214GD  | GaP          | Green         | Green Diffused  | 565                    | 2.1                             | 2.8  | 6.0         | 90                  |
| L-214YD  | GaAsP/GaP    | Yellow        | Yellow Diffused | 585                    | 2.1                             | 2.8  | 6.0         | 90                  |
| L-214ED  | GaAsP/GaP    | Hi.effi Red   | Red Diffused    | 635                    | 2.0                             | 2.8  | 8.0         | 90                  |
| L-214SRD | GaAlAs       | Super Red     | Red Diffused    | 660                    | 1.8                             | 2.4  | 50.0        | 90                  |

1.All dimension are in millimeters (inches).

2.Tolerance is  $\pm 0.25$  mm (0.01") unless otherwise specified.