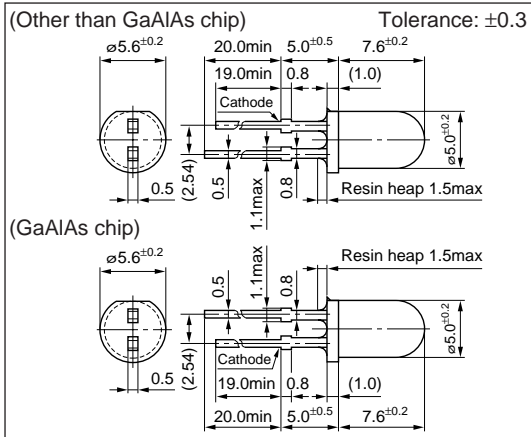


5 ϕ Round Standard LED (With Stopper)

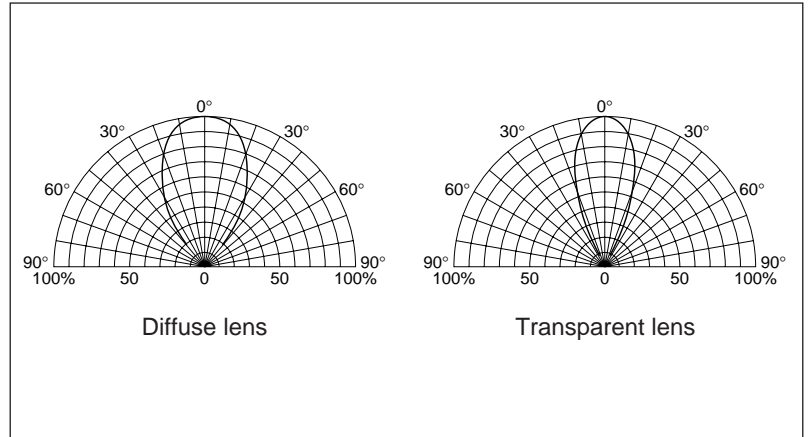
SEL1010 Series

External Dimensions

(Unit: mm)



Directivity (Typical)



Absolute maximum ratings (Ta=25°C)

| Symbol | Unit | Rating | Condition |
|-----------------|-------|-------------|------------------|
| I _F | mA | 30 | |
| ΔI_F | mA/°C | -0.45 | Above 25°C |
| I _{FP} | mA | 100 | f=1kHz, tw≤100μs |
| V _R | V | 3 | |
| Top | °C | -30 to +85 | |
| Tstg | °C | -30 to +100 | |

Electrical Optical characteristics (Ta=25°C)

| Emitting color | Part Number | Lens color | Forward voltage | | Reverse current | | Intensity | | Peak wavelength | | Spectrum half width | | Chip material | |
|--------------------|-------------|--------------------|-----------------|------------------------|-----------------|-----------------------|----------------|------------------------|-----------------|------------------------|---------------------|------------------------|---------------|--------|
| | | | V _F | Condition | I _R | Condition | I _v | Condition | λ _P | Condition | Δλ | Condition | | |
| | | | (V) | I _F (mA) | (μA) | V _R (V) | (mcd) | I _F (mA) | (nm) | I _F (mA) | (nm) | I _F (mA) | | |
| Deep red | SEL1110R | Diffused red | 2.0 | 2.5 | 10 | 50 | 3 | 2.8 | 5 | 700 | 10 | 100 | 10 | GaP |
| | SEL1110W | Diffused white | | | | | | 2.8 | | | | | | |
| | SEL1110S | Transparent red | | | | | | 4.5 | | | | | | |
| High-intensity red | SEL1610W | Diffused white | 1.75 | 2.2 | 10 | 100 | 3 | 1000 | 20 | 660 | 10 | 30 | 10 | GaAlAs |
| | SEL1610C | Clear | | | | | | 1200 | | | | | | |
| Red | SEL1210R | Diffused red | 1.9 | 2.5 | 10 | 50 | 3 | 26 | 20 | 630 | 10 | 35 | 10 | GaAsP |
| | SEL1210S | Transparent red | | | | | | 75 | | | | | | |
| Amber | SEL1810D | Diffused orange | 1.9 | 2.5 | 10 | 50 | 3 | 18 | 10 | 610 | 10 | 35 | 10 | GaAsP |
| | SEL1810A | Transparent orange | | | | | | 37 | | | | | | |
| Orange | SEL1910D | Diffused orange | 1.9 | 2.5 | 10 | 50 | 3 | 14 | 10 | 587 | 10 | 33 | 10 | GaAsP |
| | SEL1910A | Transparent orange | | | | | | 25 | | | | | | |
| Yellow | SEL1710Y | Diffused yellow | 2.0 | 2.5 | 10 | 50 | 3 | 22 | 10 | 570 | 10 | 30 | 10 | GaP |
| | SEL1710K | Transparent yellow | | | | | | 65 | | | | | | |
| Green | SEL1410G | Diffused green | 2.0 | 2.5 | 10 | 50 | 3 | 32 | 20 | 560 | 10 | 20 | 10 | GaP |
| | SEL1410E | Transparent green | | | | | | 84 | | | | | | |
| Pure green | SEL1510C | Clear | 2.0 | 2.5 | 10 | 50 | 3 | 50 | 20 | 555 | 10 | 20 | 10 | |