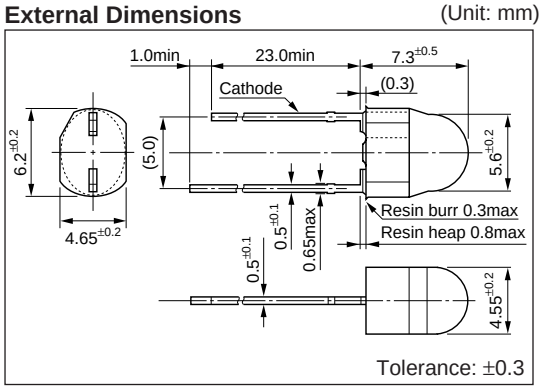
# 5-mm Pitch Lead Egg-shaped LED (Direct Mount)

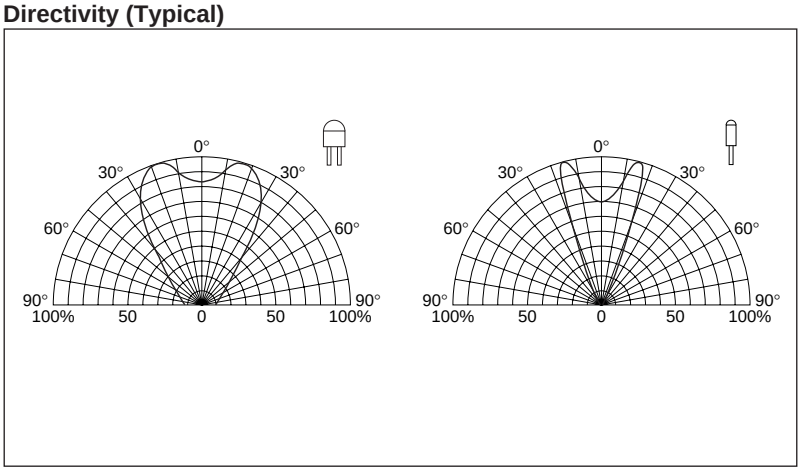
## SEL5055 Series

### External Dimensions

(Unit: mm)




### Directivity (Typical)




### Absolute maximum ratings (Ta=25°C)

| Symbol | Unit | Rating | Condition |
|---|---|---|---|
| $I_F$ | mA | 30 | |
| $\Delta I_F$ | 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 $V_F$ (V) typ | Forward voltage $V_F$ (V) max | Condition $I_F$ (mA) | Reverse current $I_R$ (μA) max | Condition $V_R$ (V) | Intensity $I_V$ (mcd) typ | Condition $I_F$ (mA) | Peak wavelength λP (nm) typ | Condition $I_F$ (mA) | Spectrum half width Δλ (nm) typ | Condition $I_F$ (mA) | Chip material |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Red | SEL5255S | Transparent red | 1.9 | 2.5 | 10 | 50 | 3 | 35 | 20 | 630 | 10 | 35 | 10 | GaAsP |
| Orange | SEL5955A | Transparent orange | 1.9 | 2.5 | 10 | 50 | 3 | 25 | 20 | 587 | 10 | 33 | 10 | GaAsP |
| Yellow | SEL5755C | Clear | 2.0 | 2.5 | 10 | 50 | 3 | 140 | 20 | 570 | 10 | 30 | 10 | GaP |