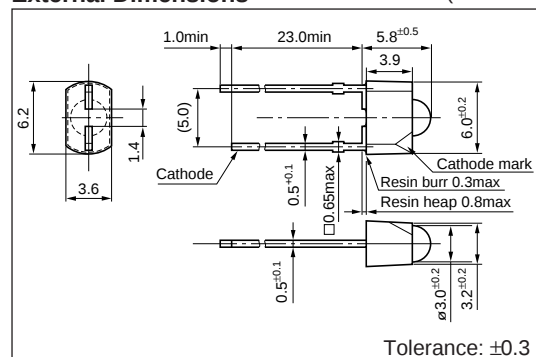


# 5-mm Pitch Lead 3 $\phi$ Lens-type LED (Direct Mount)

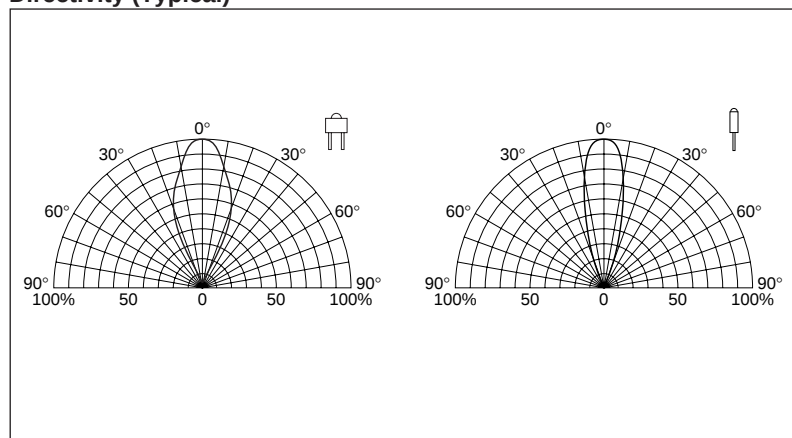
## SEL5021 Series

### 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 |     |           | Reverse current |           | Intensity      |           | Peak wavelength |           | Spectrum half width |           | Chip material |
|----------------|-------------|--------------------|-----------------|-----|-----------|-----------------|-----------|----------------|-----------|-----------------|-----------|---------------------|-----------|---------------|
|                |             |                    | V <sub>F</sub>  |     | Condition | I <sub>R</sub>  | Condition | I <sub>V</sub> | Condition | λ <sub>P</sub>  | Condition | Δλ                  | Condition |               |
|                |             |                    | (V)             |     |           |                 |           |                |           |                 |           |                     |           |               |
|                |             |                    | typ             | max | (mA)      | max             | (V)       | typ            | (mA)      | typ             | (mA)      | typ                 | (mA)      |               |
| Red            | SEL5221S    | Transparent red    | 1.9             | 2.5 | 10        | 50              | 3         | 35             | 20        | 630             | 10        | 35                  | 10        | GaAsP         |
| Amber          | SEL5821A    | Transparent orange | 1.9             | 2.5 | 10        | 50              | 3         | 60             | 20        | 610             | 10        | 35                  | 10        |               |
| Orange         | SEL5921A    | Transparent orange | 1.9             | 2.5 | 10        | 50              | 3         | 60             | 20        | 587             | 10        | 33                  | 10        |               |
| Yellow         | SEL5721C    | Clear              | 2.0             | 2.5 | 10        | 50              | 3         | 90             | 20        | 570             | 10        | 30                  | 10        | GaP           |
| Green          | SEL5421E    | Transparent green  | 2.0             | 2.5 | 10        | 50              | 3         | 95             | 20        | 560             | 10        | 20                  | 10        |               |
| Pure green     | SEL5521C    | Clear              | 2.0             | 2.5 | 10        | 50              | 3         | 35             | 20        | 555             | 10        | 20                  | 10        |               |