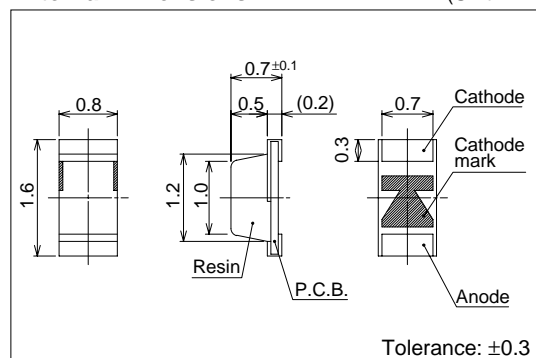


1.6×0.8 Miniature Surface Mount LED

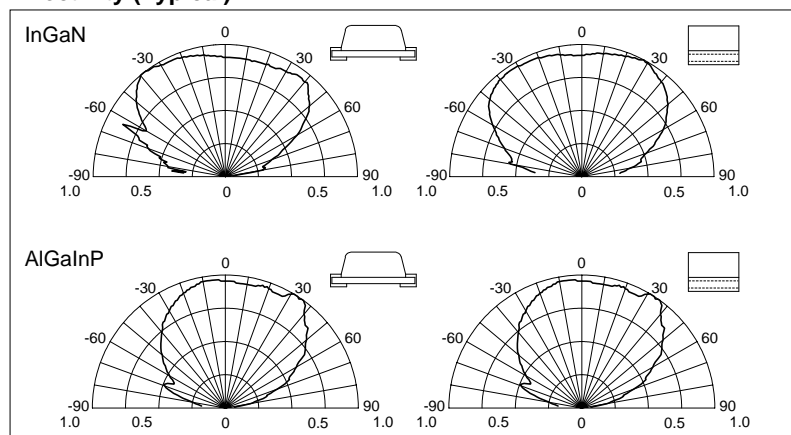
SEC1007 Series

External Dimensions

(Unit: mm)



Directivity (Typical)



Absolute maximum ratings (Ta=25°C)

| Symbol | Unit | Rating | | Condition |
|------------------|-------|-------------|-------------|------------|
| | | AlGaInP | GaN/InGaN | |
| I _F | mA | 30 | 20 | |
| ΔI _F | mA/°C | -0.45 | -0.27 | Above 25°C |
| I _{FP} | mA | 70 | 50 | |
| V _R | V | 5 | 5 | |
| T _{op} | °C | -30 to +85 | -20 to +80 | |
| T _{stg} | °C | -30 to +100 | -30 to +100 | |

Electrical Optical characteristics (Ta=25°C)

| Emitting color | Part Number | Lens color | Forward voltage | | | Reverse current | | Intensity | | Peak wavelength | | Dominant wavelength | | Chip material |
|----------------|-------------|------------|--------------------|-----|-------------------------------|---------------------|------------------------------|----------------------|-------------------------------|---------------------|-------------------------------|---------------------|-------------------------------|---------------|
| | | | V _F (V) | | Condition I _F (mA) | I _R (μA) | Condition V _R (V) | I _v (mcd) | Condition I _F (mA) | λ _P (nm) | Condition I _F (mA) | λ _P (nm) | Condition I _F (mA) | |
| | | | typ | max | | max | | typ | | typ | | typ | | |
| Blue | SEC1E07C-S | Clear | 4.0 | 4.8 | 20 | 10 | 5 | 10 | 20 | 430 | 20 | 466 | 20 | GaN |
| Blue | SECS1E07C* | Clear | 3.6 | 4.3 | 20 | 10 | 5 | 30 | 20 | 468 | 20 | 470 | 20 | InGaN |
| Aqua-blue | SECS1L07C* | Clear | 3.6 | 4.3 | 20 | 10 | 5 | 90 | 20 | 488 | 20 | 490 | 20 | InGaN |
| Pure green | SECS1D07C* | Clear | 3.6 | 4.3 | 20 | 10 | 5 | 140 | 20 | 523 | 20 | 525 | 20 | InGaN |
| Green | SECU1407C* | Clear | 2.2 | 2.5 | 20 | 10 | 5 | 15 | 20 | 560 | 20 | 563 | 20 | AlGaInP |
| Yellow | SECU1707C* | Clear | 2.2 | 2.5 | 20 | 10 | 5 | 30 | 20 | 572 | 20 | 571 | 20 | AlGaInP |
| Light amber | SECS1B07C* | Clear | 1.9 | 2.5 | 20 | 10 | 5 | 90 | 20 | 600 | 20 | 596 | 20 | AlGaInP |

*: Under development