

Peak Emission Wavelength: 1200nm



Description

- Size 1206: 3.2 (L) x 1.6 (W) x 1.2 (H) mm
- Circuit substrate: glass laminated epoxy
- Devices are RoHS conform
- Lead free solderable, soldering pads: gold plated
- Taped in 8 mm blister tape, cathode to transporting perforation
- Marking at Anode
- High radiation intensity types
- Taping: face-up (TU) or face-down (TD) possible

Absolute Maximum Ratings (Ta=25°C)



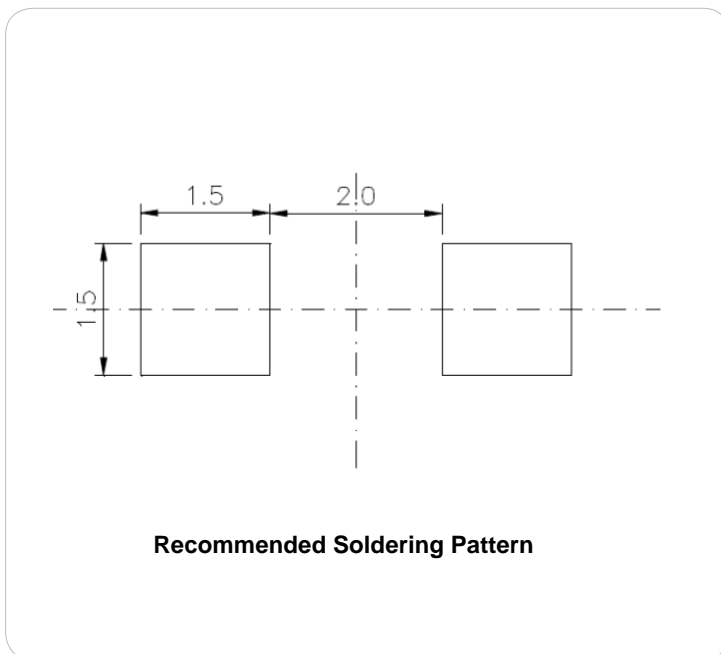
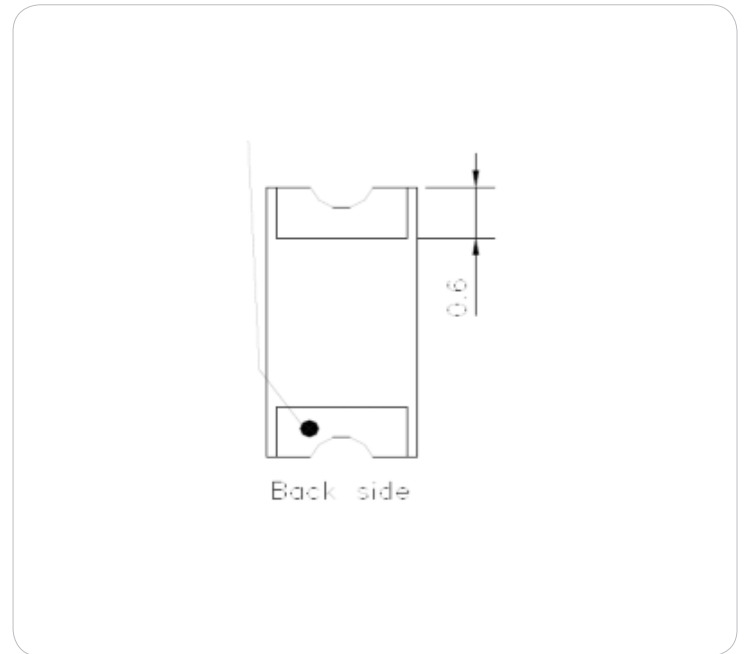
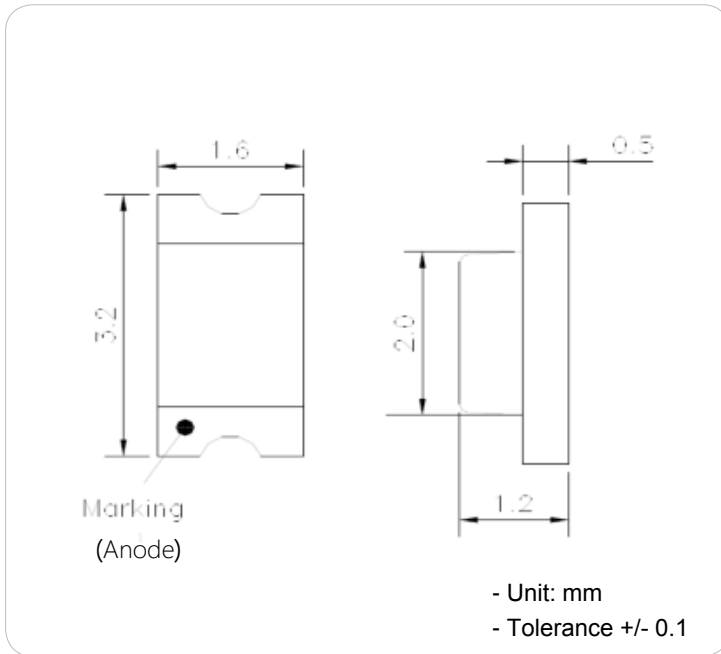
| ITEMS | SYMBOL | RATINGS | UNIT |
|------------------------|--------|------------|------|
| Forward DC Current | If | 50 | mA |
| Peak Forward Current * | Ifp | 100 | mA |
| Reverse Voltage | Vr | 5 | V |
| Reverse Current | Ir | 100 | uA |
| Operating Temperature | Top | -40 to +85 | °C |
| Storage Temperature | Tst | -55 to +85 | °C |
| Thermal Resistance | RthJA | 450 | K/W |

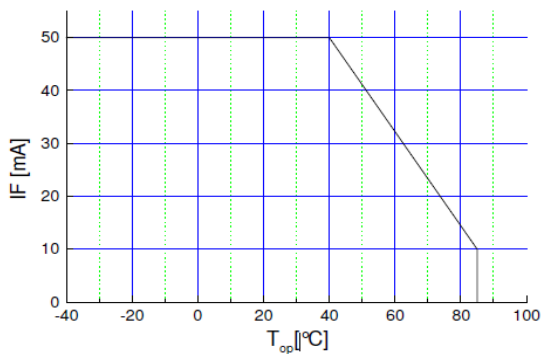
* tp ≤ 100 us, T=1ms

Electrical & Optical Characteristics (Ta = 25°C)

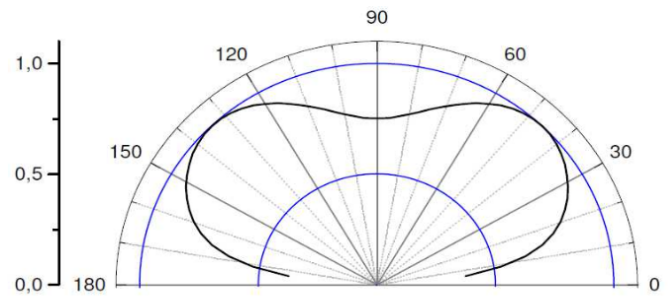
| ITEMS | SYMBOL | CONDITION | MIN | TYP | MAX | UNIT |
|--------------------|--------|-----------|------|------|------|-------|
| Forward Voltage | Vf | If=50mA | -- | 1.1 | 1.5 | V |
| Peak Wavelength | λp | If=50mA | 1150 | 1200 | 1250 | nm |
| Radiant Power | Φe | If=50mA | -- | 11 | -- | mW |
| Radiant Intensity | Ie | If=50mA | -- | 2.1 | -- | mW/sr |
| Spectral Bandwidth | Δλ0.5 | If=50mA | -- | 73 | -- | nm |
| Viewing Angle | φ | If=50mA | -- | 120 | -- | deg |

Package Dimensions

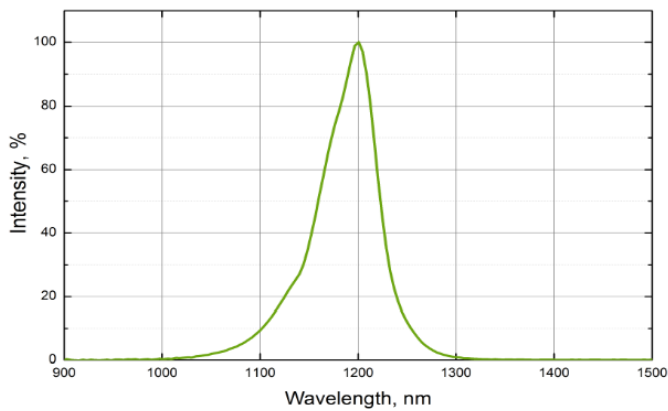




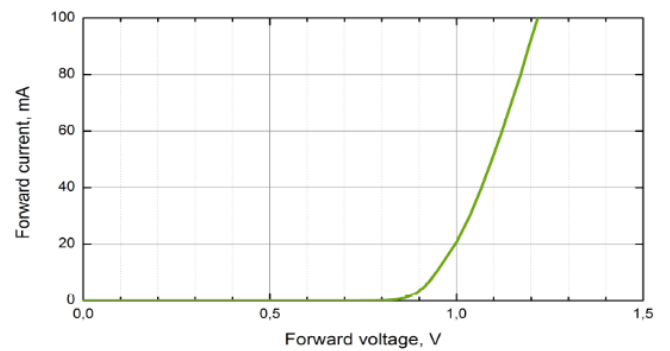
Maximal forward current (DC) characteristic



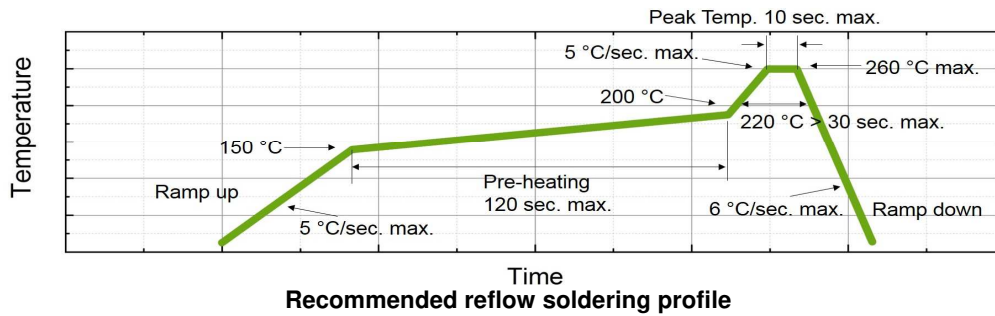
View angle



Typical spectrum at 50 mA



Forward current vs. forward voltage



The information contained herein is subject to change without notice.

2022-05-02