| Approved | Checked | Designed | DEVELOPMENT SPECIFICATION |
|---|---|---|---|
| | | | P/N: LNJ406K54UX |

| | |
|---|---|
| TYPE | Amber Light Emitting Diode |
| APPLICATION | Indicators |
| MATERIAL | InGaAlP |
| OUTLINE | Attached |

| ABSOLUTE MAXIMUM RATINGS | P | ※IFP | IFDC | VR | Topr | Tstg |
|---|---|---|---|---|---|---|
| | 50 mW | 60 mA | 20 mA | 4 V | -25～+85 ℃ | -30～+100 ℃ |
| CONDITION | Ta=25±3 ℃ | | | | | |

Test Specification

| Item | Symbol | Condition | Typ | Limit | | Unit |
|---|---|---|---|---|---|---|
| | | | | Min | Max | |
| Forward Voltage | VF | IF=10 mA | 2.0 | | 2.3 | V |
| Reverse Leakage Current | IR | VR= 4 V | | | 100 | μA |
| Luminous Intensity | IO | IF=10 mA · DC | 8.5 | 3.5 | | mcd |
| Peak Emission Wavelength | λp | IF=10 mA · DC | 595 | | | nm |
| Spectral Line Half Width | Δλ | IF=10 mA · DC | 15 | | | nm |

※ · The Condition of IFP is duty 10 % , Pulse width 1 ms
· Please contact the Panasonic local office if you design at low current (below 1.0 mA DC) or pulse current operation and have any questions.

NOTE

★1 Soldering conditions.
Refer to handling note.

★2 Care should be taken that soldering is done within 3-days after opening the dry package and reel.

★3 Package:Light yellow diffusion type.

★4 A InGaAlP LED is sensitive to static electricity and care should be fully taken in handling it. Particularly, when an overvoltage is applied, which exceeds the absolute maximum rating of the InGaAlP LED, its energy damages the LED. Therefore, take utmost proactive measures against static electricity and surge as to building an assembly line and handling the LED halfway the process.
(1) Check the entire drive circuit including the power source. For example, a surge current, etc., generated at power-on/off must not exceed the absolute maximum rating of the LED. Also, insert an appropriate protective circuit into the LED drive circuit.
(2) Beware of destruction by static electricity in handling the LED. As proactive measures against static electricity, it is effective to earth your body(via 1MΩ), spread conductive mat on the floor, wear semiconductive work uniform and shoes, and use semiconductive containers. Also, be sure to earth the nose of a soldering iron.
It is recommended to use an ionizer, etc., in the facility or environment where static electricity may be generated easily.

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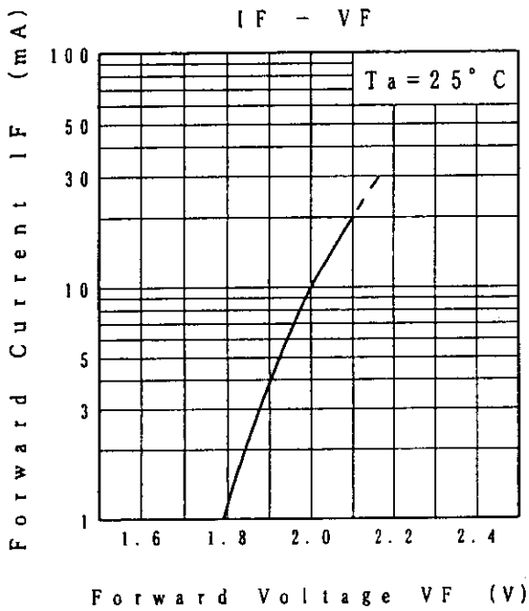
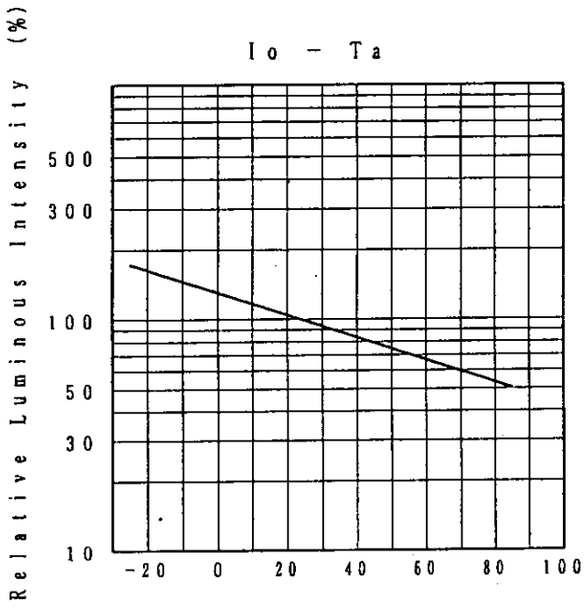
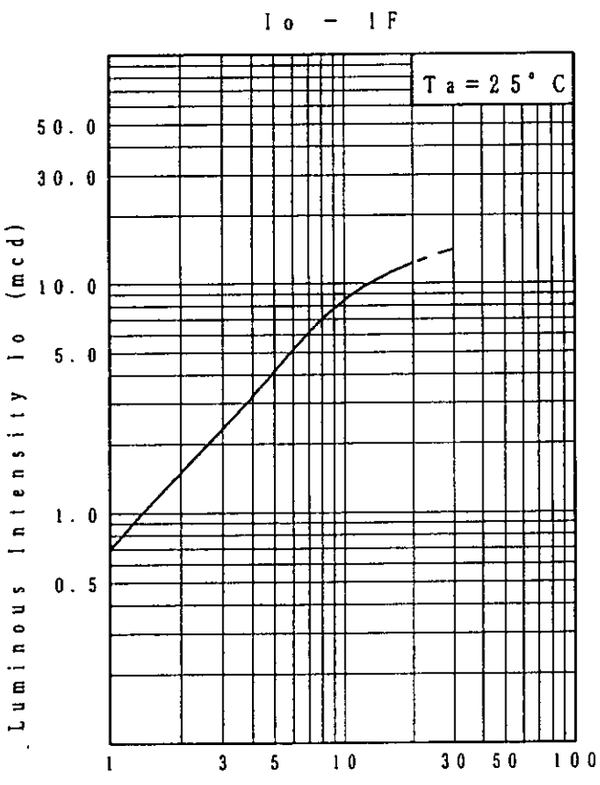
IF - VF



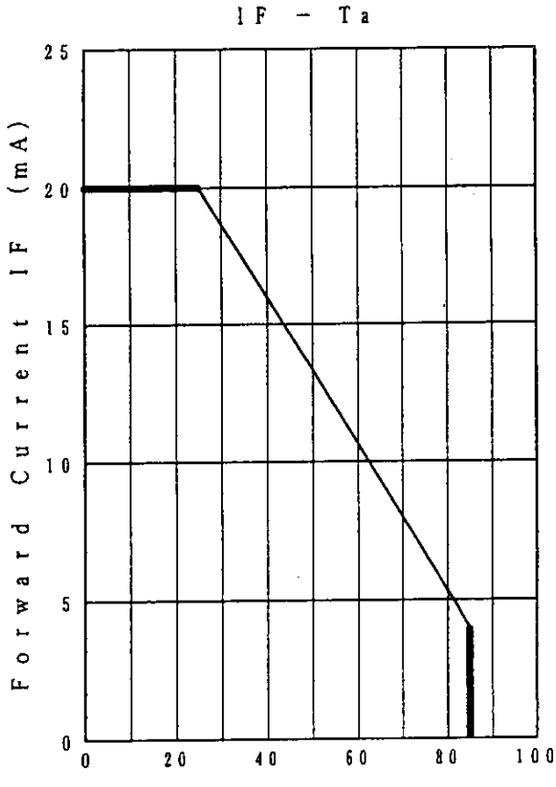

Io - Ta




Io - IF




IF - Ta

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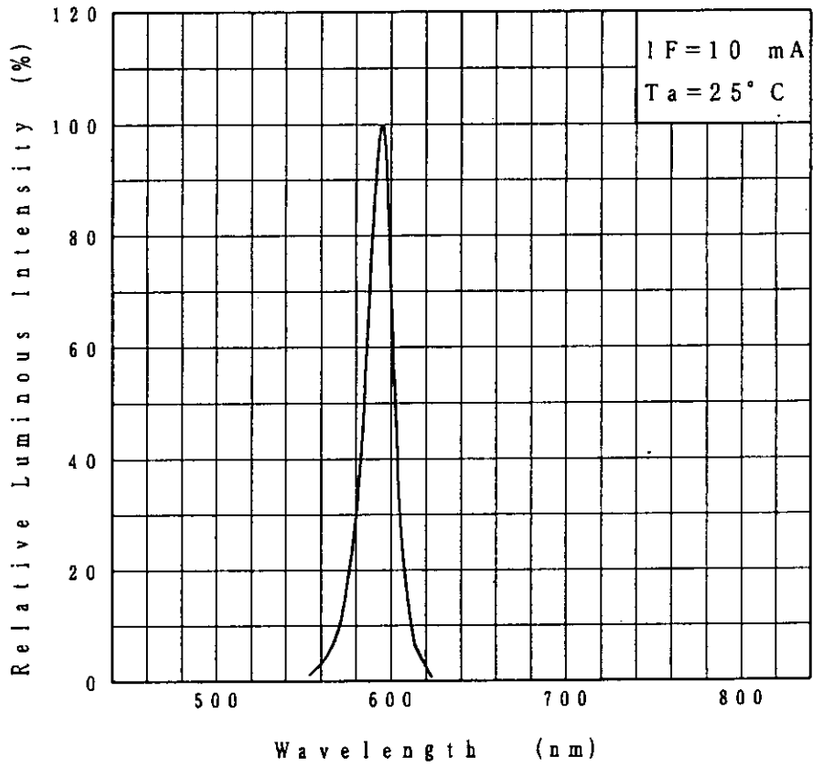
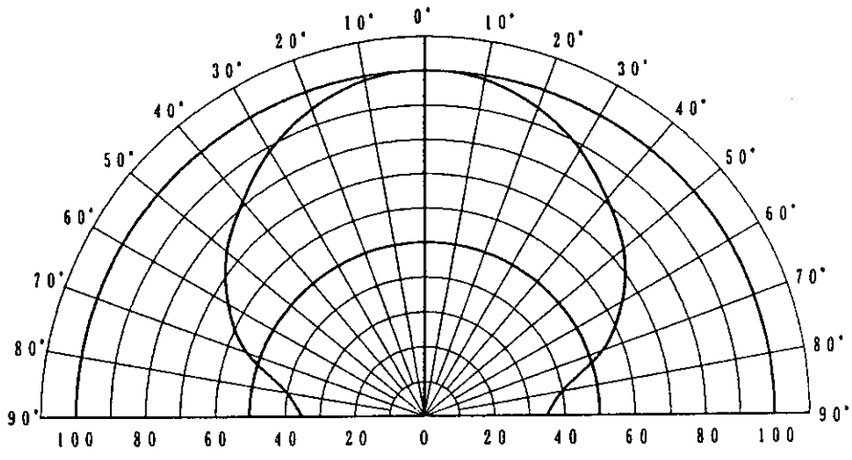
Relative Luminous Intensity
Wavelength Characteristics




Directive Characteristics

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| Approved | Checked | Designed | DEVELOPMENT SPECIFICATION (OUTLINE) P/N: | |
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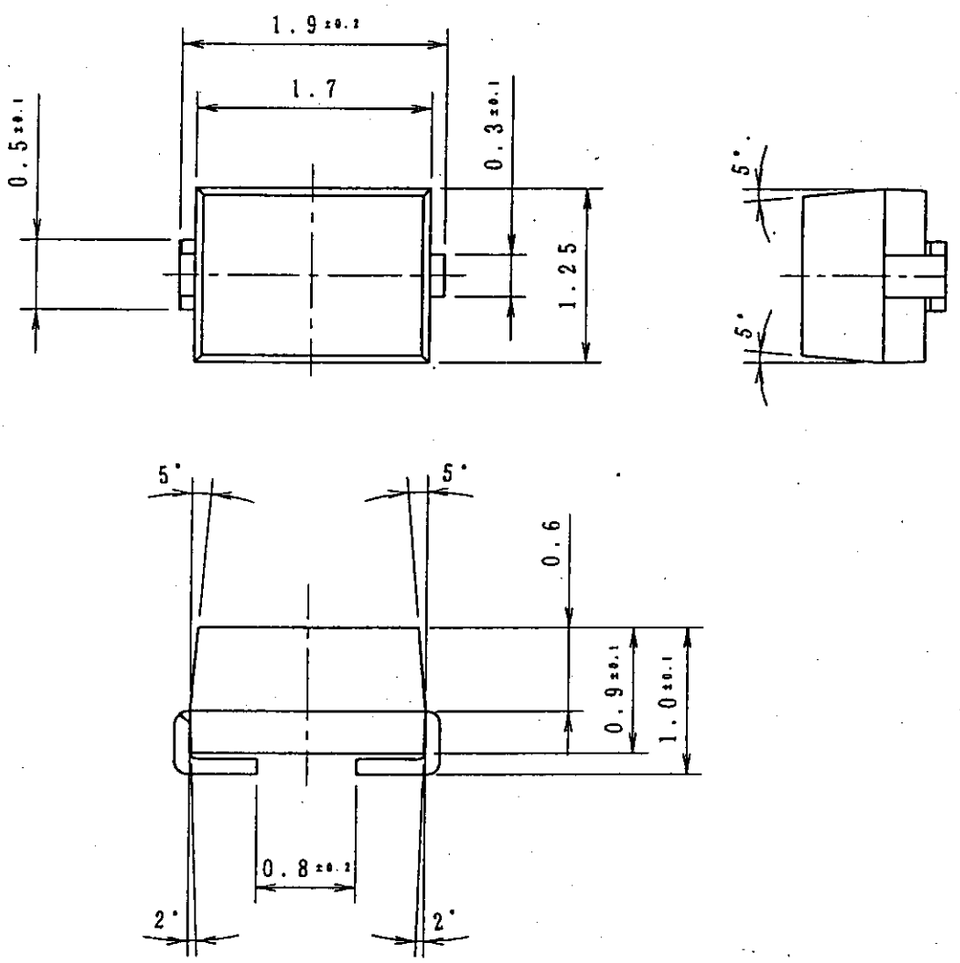



(NOTE)
1. Unit : mm
2. Tolerance unless specified is ±0.2.
3. Measurement of the package doesn't include gate projection.
4. Corner of the package is R 0.2max.
5. Projection's tolerance of the package is 0.2max.

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