

|                     |                     |                  |                           |  |  |    |   |
|---------------------|---------------------|------------------|---------------------------|--|--|----|---|
| Approved            | Checked             | Designed         | DEVELOPMENT SPECIFICATION |  |  | 17 | 4 |
| <i>M. Yamashita</i> | <i>K. Kishimoto</i> | <i>T. Takata</i> |                           |  |  |    |   |

|                                |                            |                  |                  |              |                       |                        |
|--------------------------------|----------------------------|------------------|------------------|--------------|-----------------------|------------------------|
| T Y P E                        | Green Light Emitting Diode |                  |                  |              |                       |                        |
| APPLICATION                    | Indicators                 |                  |                  |              |                       |                        |
| MATERIAL                       | GaP                        |                  |                  |              |                       |                        |
| OUTLINE                        | Attached                   |                  |                  |              |                       |                        |
| ABSOLUTE<br>MAXIMUM<br>RATINGS | P<br>60<br>mW              | ※IFP<br>60<br>mA | IFDC<br>20<br>mA | VR<br>4<br>V | Topr<br>-25~+85<br>°C | Tstg<br>-30~+100<br>°C |
| CONDITION                      | Ta=25±3 °C                 |                  |                  |              |                       |                        |

Test Specification

| Item                     | Symbol | Condition     | Typ  | Limit |     | Unit |
|--------------------------|--------|---------------|------|-------|-----|------|
|                          |        |               |      | Min   | Max |      |
| Forward Voltage          | VF     | IF=10 mA      | 2.03 |       | 2.6 | V    |
| Reverse Leakage Current  | IR     | VR= 4 V       |      |       | 10  | μA   |
| Luminous Intensity       | IO     | IF=10 mA · DC | 5.0  | 3.0   |     | mcd  |
| Peak Emission Wavelength | λp     | IF=10 mA · DC | 565  |       |     | nm   |
| Spectral Line Half Width | Δλ     | IF=10 mA · DC | 30   |       |     | 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 green diffusion type.
- ★4 From 6 rank up (Measurement condition ; IF=10 mA)

| Rank | Specification | Unit |
|------|---------------|------|
| 6    | 3.00~ 7.60    | mcd  |
| 7    | 4.55~11.40    | mcd  |

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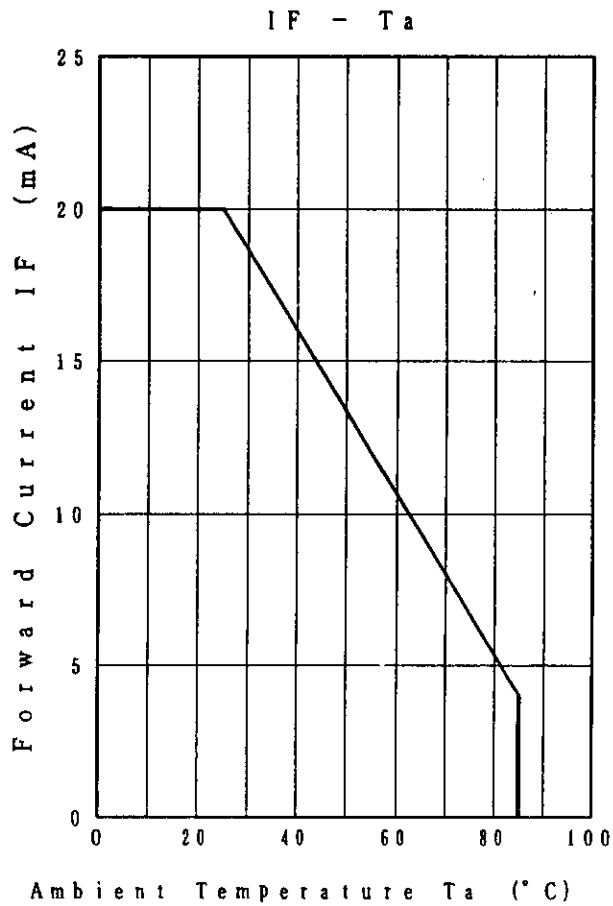
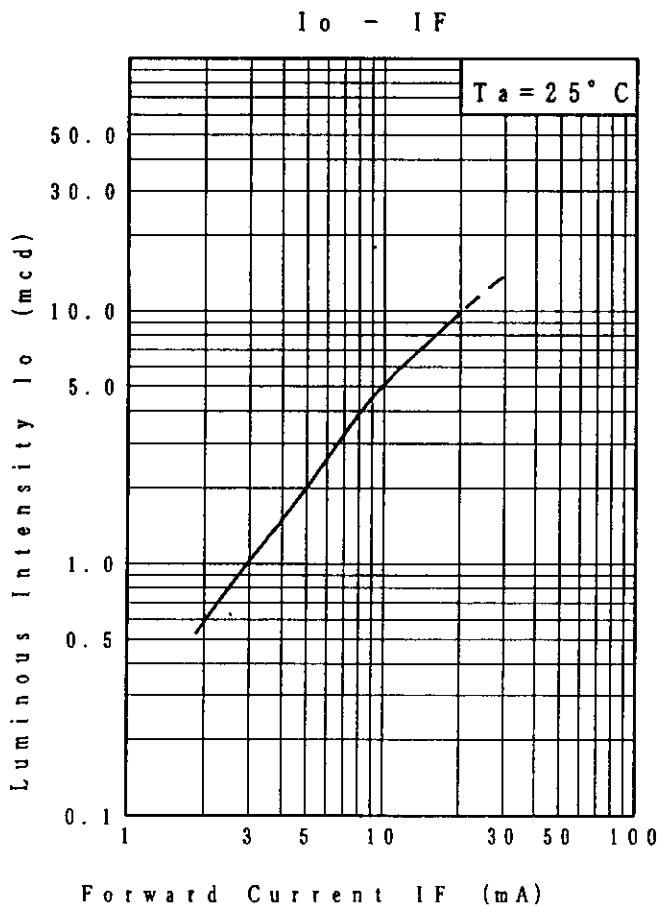
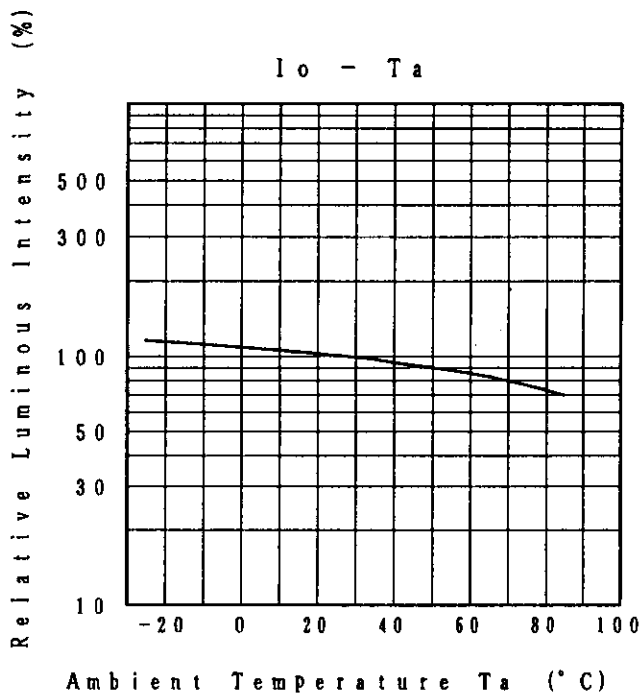
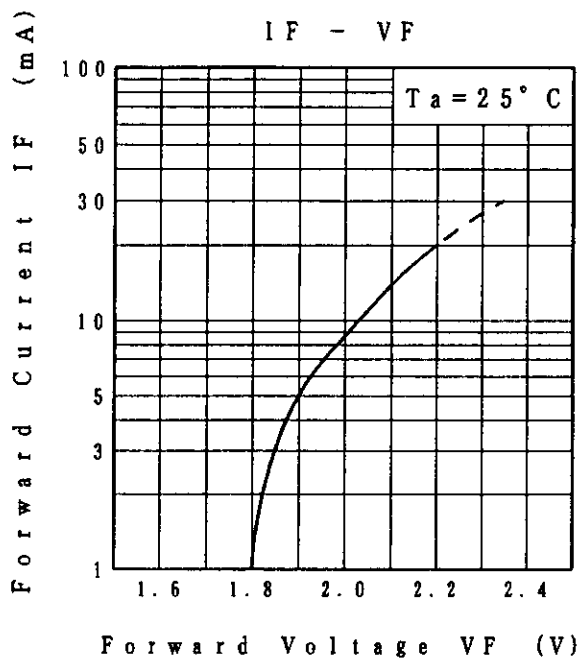
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|----------------------------|------------------------------|------------------------------|
| Approved<br><i>V. Amal</i> | Checked<br><i>K. Kishore</i> | Designed<br><i>T. Tadasu</i> |
|----------------------------|------------------------------|------------------------------|

DEVELOPMENT SPECIFICATION

P/N: LNJ306G5TUWQ

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Nov. 6. 1995

Approved    Checked    Designed

*[Handwritten signatures]*

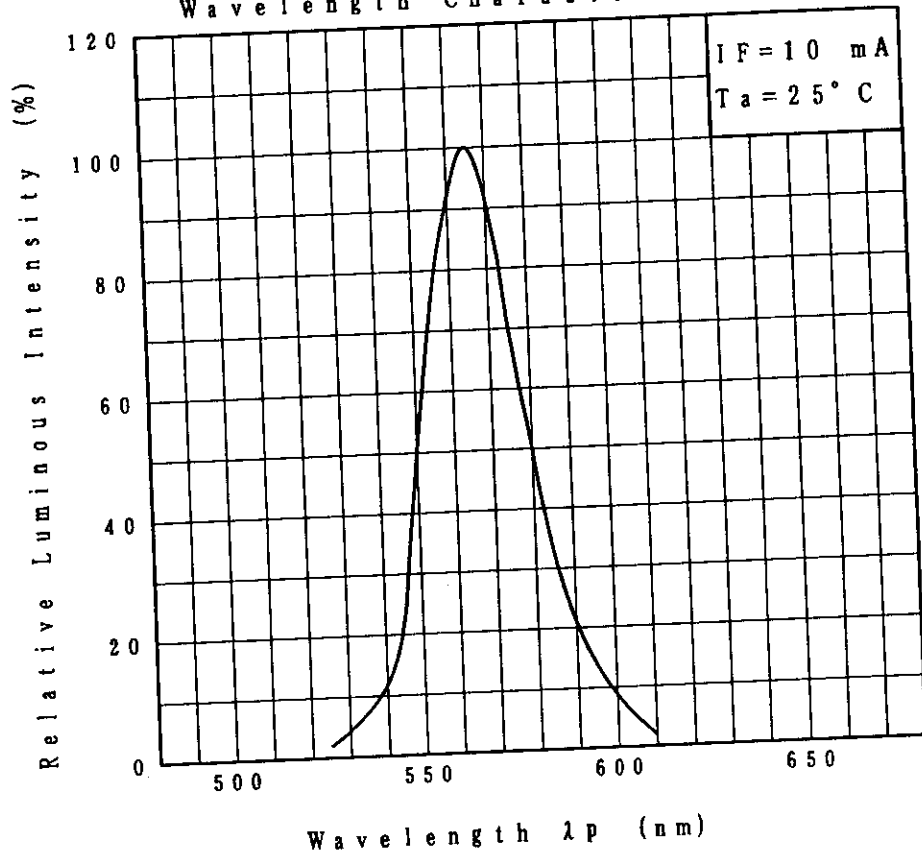
DEVELOPMENT SPECIFICATION

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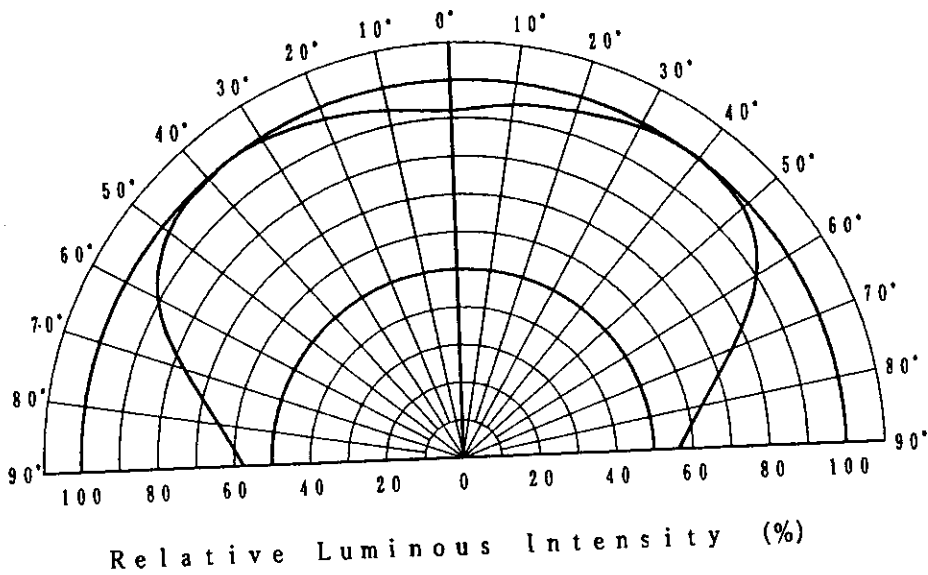
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Relative Luminous Intensity Wavelength Characteristics



Directive Characteristics



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|                                |                               |                                |
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| Approved<br><i>[Signature]</i> | Checked<br><i>[Signature]</i> | Designed<br><i>[Signature]</i> |
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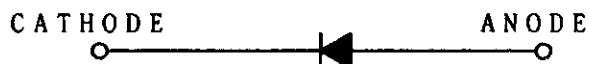
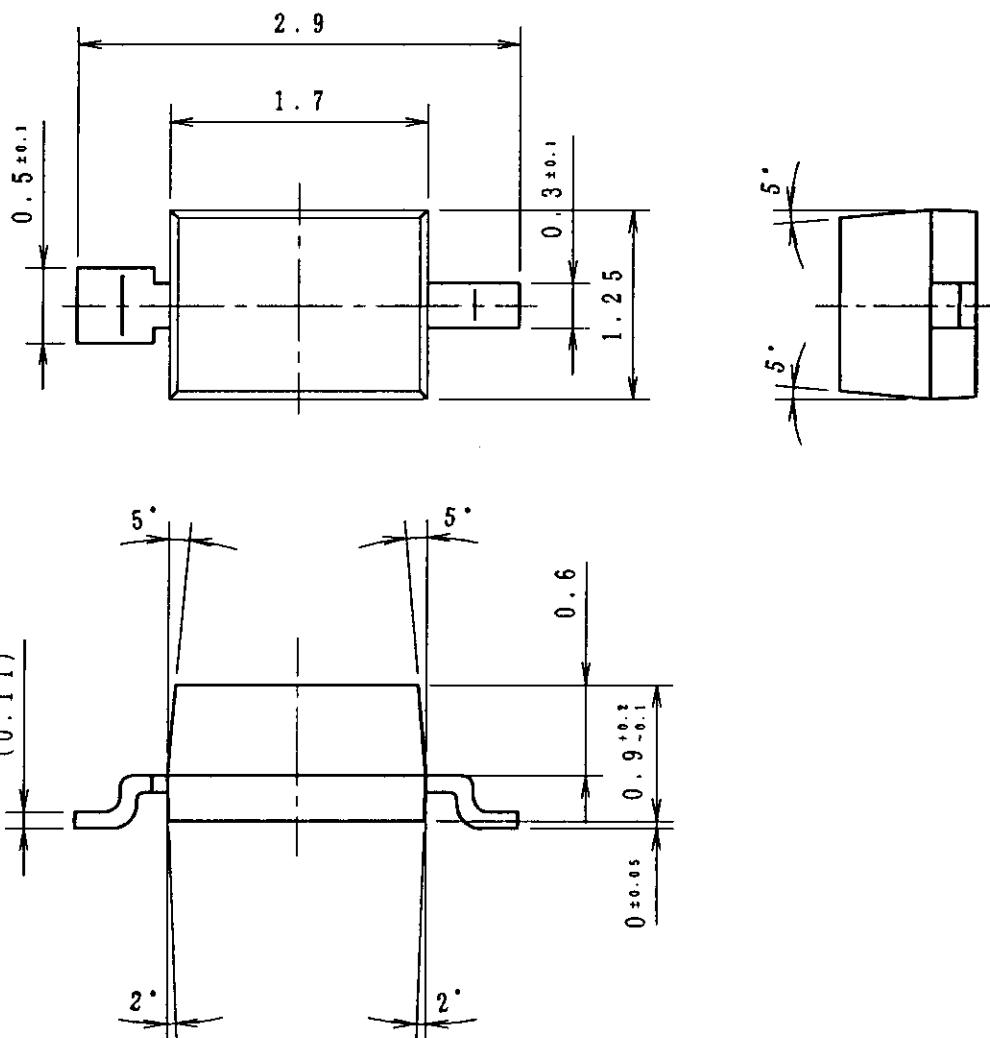
DEVELOPMENT SPECIFICATION

(OUTLINE)

P/N: LNJ306G5TUWQ

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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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