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Panasonic Electronic Components
LN1371SGTRP

For any questions, you can email us directly:
sales@integrated-circuit.com

| Approved | Checked | Designed | DEVELOPMENT SPECIFICATION<br>P/N : LN1371SGTRP |
|---|---|---|---|
| | | K. Otomo | |

| | | | | | | |
|---|---|---|---|---|---|---|
| TYPE | Green Light Emitting Diode | | | | | |
| APPLICATION | Indicators | | | | | |
| MATERIAL | GaP | | | | | |
| OUTLINE | Attached | | | | | |
| ABSOLUTE MAXIMUM RATINGS | P | ※ $I_{FP}$ | $I_{FDC}$ | $V_R$ | Topr | Tstg |
| | 30 | 50 | 10 | 4 | -25～+85 | -30～+100 |
| | mW | mA | mA | V | ℃ | ℃ |
| CONDITION | Ta＝25±3 ℃ | | | | | |

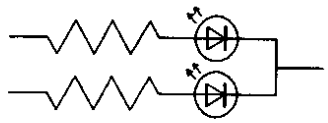
Test Specification

| Item | Symbol | Condition | Typ | Limit | | Unit |
|---|---|---|---|---|---|---|
| | | | | Min | Max | |
| Forward Voltage | $V_F$ | $I_F$= 5 mA | 1.9 | | 2.4 | V |
| Reverse Leakage Current | $I_R$ | $V_R$= 4 V | | | 10 | μA |
| Luminous Intensity | $I_O$ | $I_F$= 5 mA・DC | 2.0 | 0.7 | | mcd |
| Peak Emission Wavelength | λp | $I_F$= 5 mA・DC | 565 | | | nm |
| Spectral Line Half Width | Δλ | $I_F$= 5 mA・DC | 30 | | | nm |

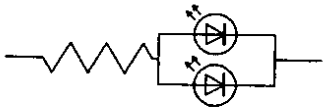
※ ・ The Condition of $I_{FP}$ is duty 10 %, Pulse width 1 ms
・ Please contact the Panasonic local office if you design at low current (below 0.5mA DC) or pulse current operation and have any questions.

NOTE

1. Compositions of the lead ··· Cu/Ni/Au plating
2. Soldering conditions.
   Refer to Handling note.
3. Care should be taken that soldering is done within 3-days after opening the dry package and reel.
4. Package:Light green diffusion type.
5. Circuit to operate LED.



(A)



(B)

(A) Recommended circuit.
(B) The difference of brightness between the LED could be found due to the $V_F$ characteristics of each LED.

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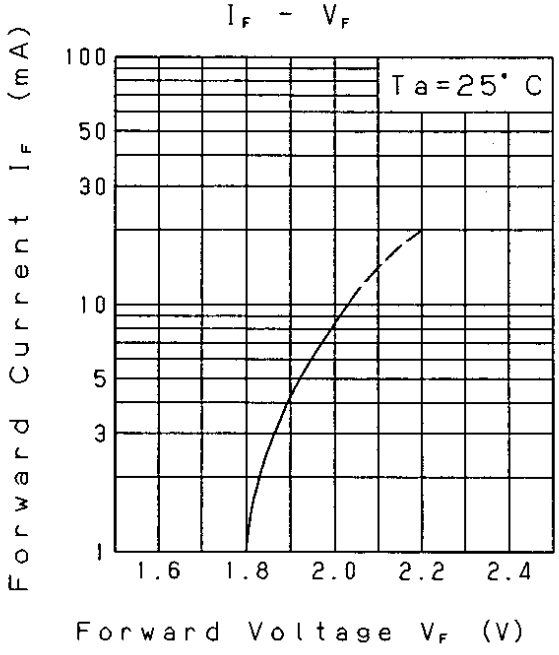
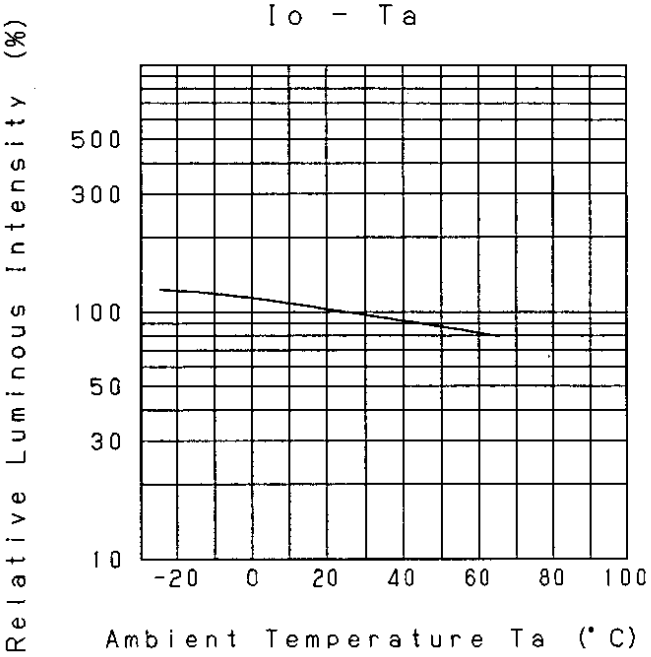
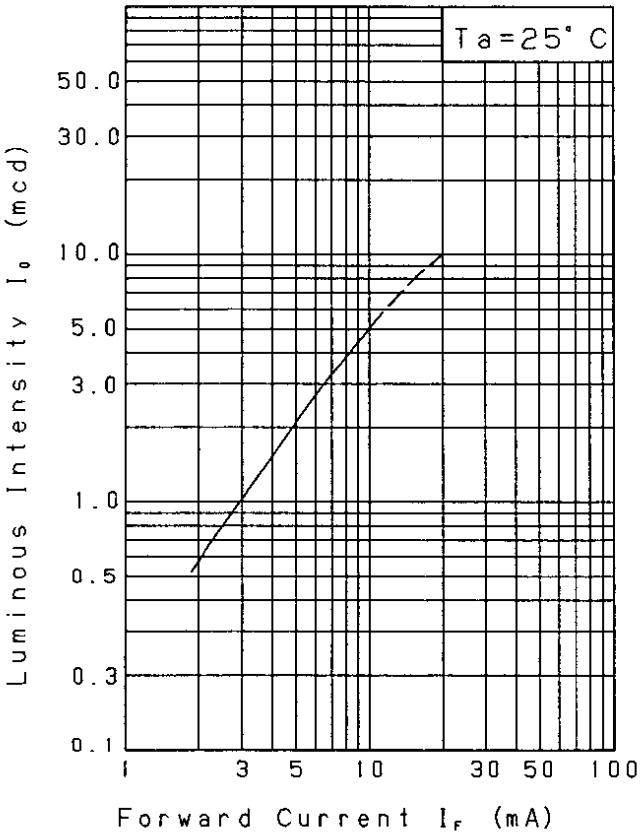
$I_F$ - $V_F$



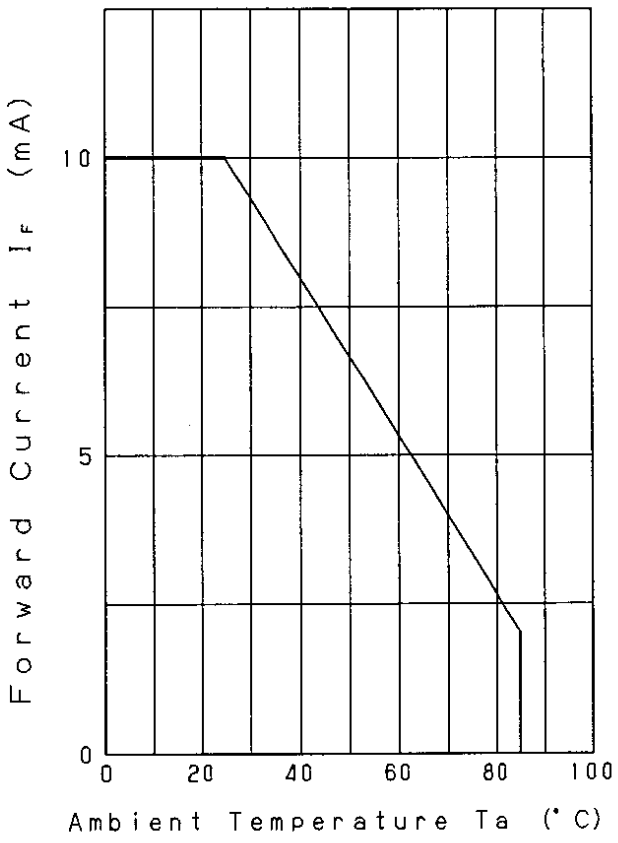

Io - Ta




$I_o$ - $I_F$




$I_F$ - Ta

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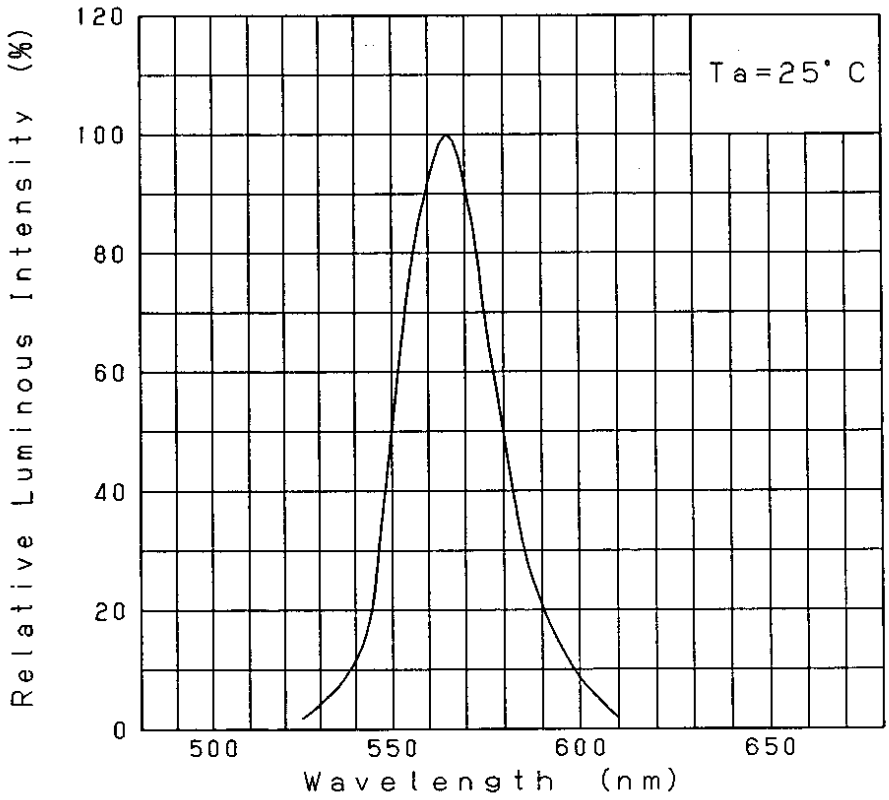
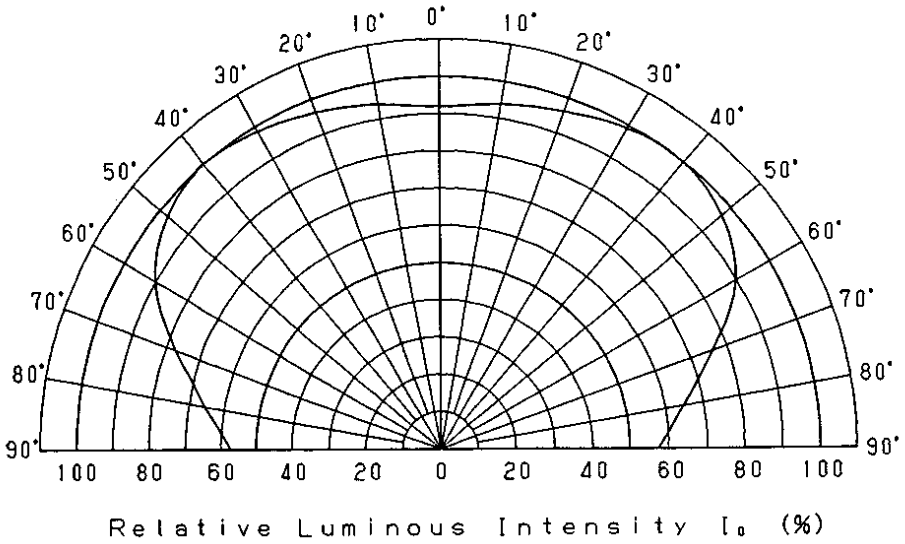
| | | K. Osamo | P/N: LN1371SGTRP |

Relative Luminous Intensity
Wavelength Characteristics




Derective Characteristics

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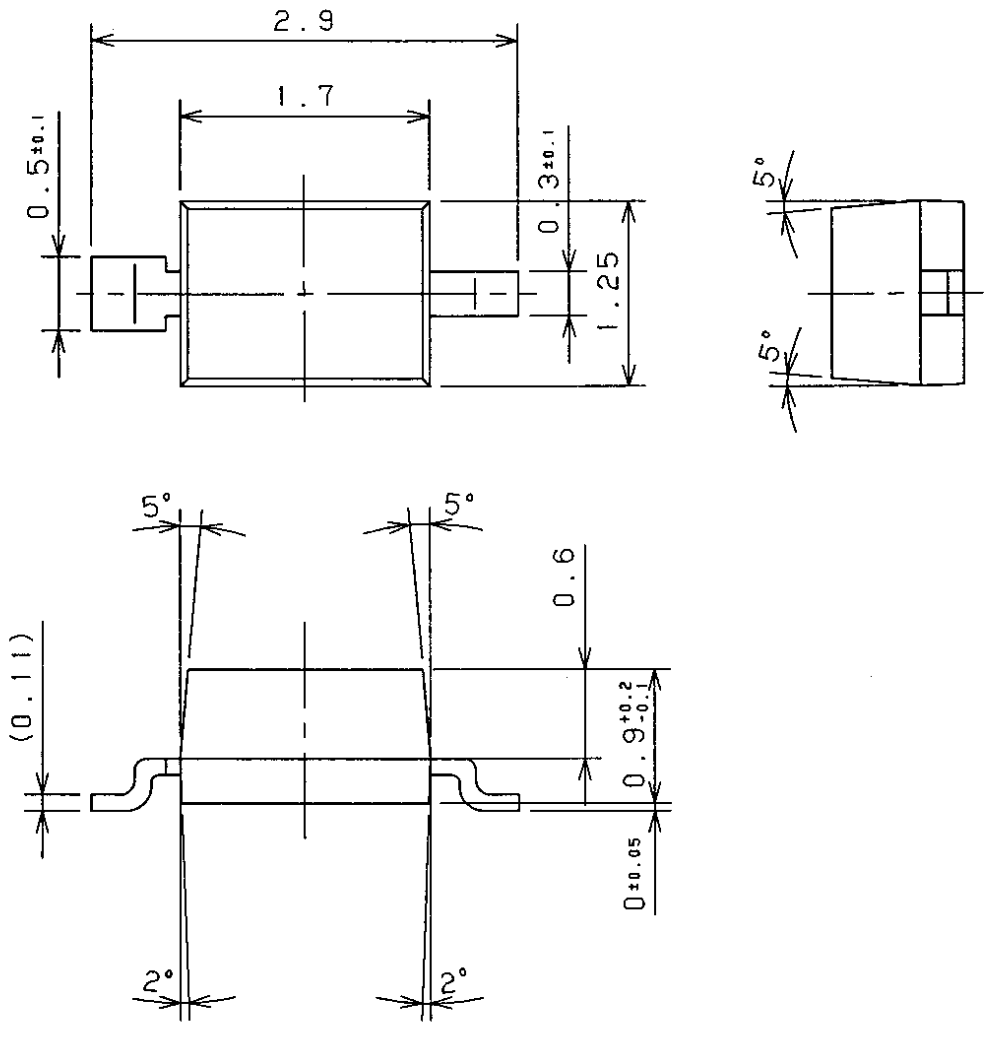
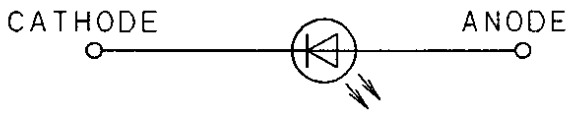
| | | K. Tsuno |

DEVELOPMENT SPECIFICATION
(OUTLINE)

P/N: LN1371SGTRP




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

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