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|--|----------------------------|------------------------------|---------------------------|------------------|----------------|---------|------|----------|--|--|
| Approved <i>T. Okada</i> | Checked <i>M. Iwami</i> | Designed <i>T. Takata</i> | DEVELOPMENT SPECIFICATION | | | | | | | |
| | | | TEMPORARY | | | | | | | |
| | | | P/N: LNJ218C8ARA1 | | | | | | | |
| T Y P E | | | Red Light Emitting Diode | | | | | | | |
| APPLICATION | | | Indicators | | | | | | | |
| MATERIAL | | | GaAlAs | | | | | | | |
| OUTLINE | | | Attached | | | | | | | |
| ABSOLUTE | | P | ※ I _{FP} | I _{FDC} | V _R | Topr | Tstg | | | |
| MAXIMUM | | 60 | 100 | 20 | 3 | -30~+85 | | -40~+100 | | |
| RATINGS | | mW | mA | mA | V | ℃ | | ℃ | | |
| CONDITION | | | T _a = 25 ± 3℃ | | | | | | | |
| Test Specification | | | | | | | | | | |
| Item | Symbol | Condition | Typ | Limit | | Unit | | | | |
| | | | | Min | Max | | | | | |
| Forward Voltage | V _F | I _F = 10 mA | 1.72 | | 2.5 | V | | | | |
| Reverse Leakage Current | I _R | V _R = 3 V | | | 100 | μA | | | | |
| Luminous Intensity | I _O | I _F = 10 mA · DC | 14 | 7.4 | | mcd | | | | |
| Peak Emission Wavelength | λ _p | I _F = 10 mA · DC | 660 | | | nm | | | | |
| Spectral Line Half Width | Δλ | I _F = 10 mA · DC | 20 | | | nm | | | | |
| <p>※ · The Condition of I_{FP} is duty 10 %, Pulse width 1 ms</p> <p>· Please contact the Panasonic local office if you design at low current (below 1 mA DC) or pulse current operation and have any questions.</p> <p>NOTE</p> <p>1. Soldering conditions. Refer to handling note.</p> <p>2. Care should be taken that soldering is done within 3-days after opening the dry package and reel.</p> <p>3. Compositions of the lead...Cu/Ni/Au plating</p> | | | | | | | | | | |
| Feb. 24. 2000 | | | | | | | | | | |

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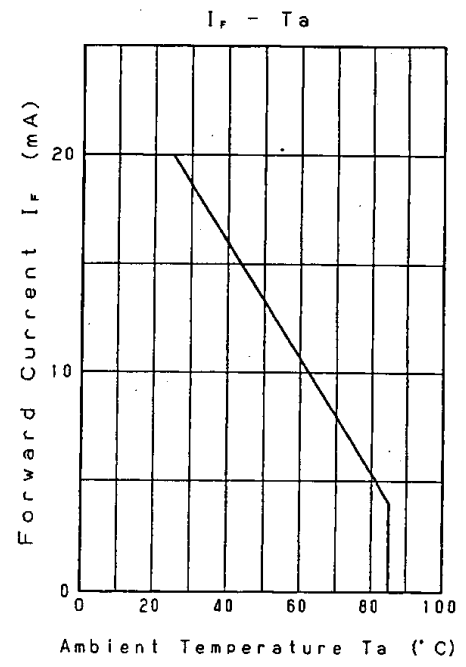
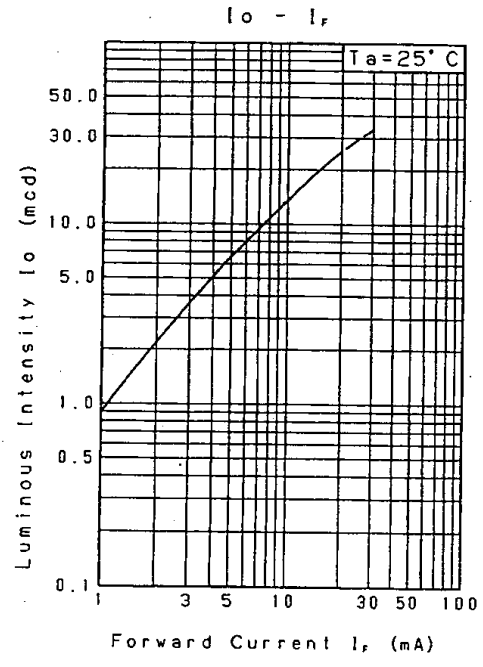
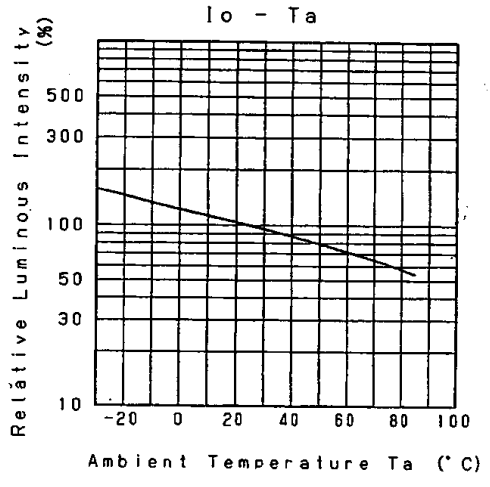
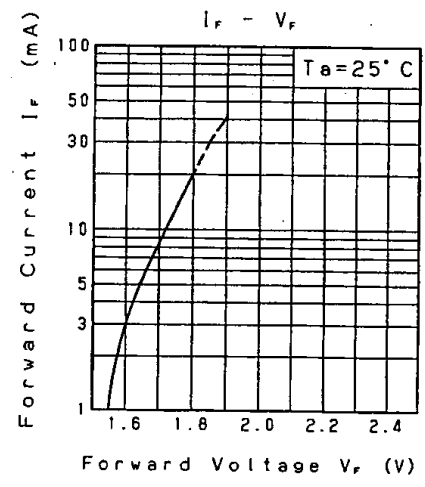
KB-H-022-018B

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| Approved <i>T. Taketa</i> | Checked <i>H. Inoue</i> | Designed <i>T. Taketa</i> |
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DEVELOPMENT SPECIFICATION

P/N: LNJ218C8ARA1

TEMPORARY



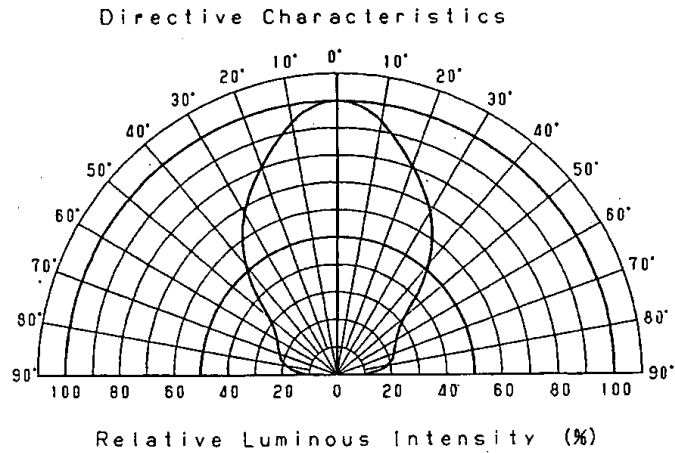
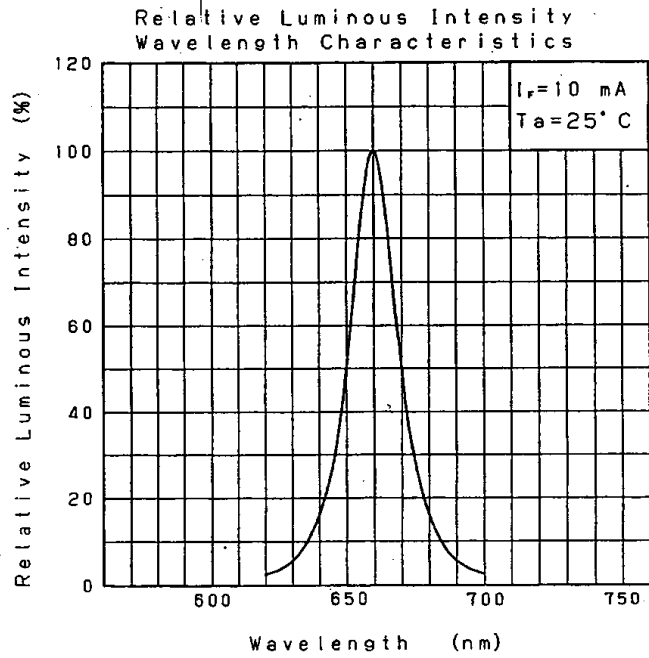
Feb. 24. 2000

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| Approved <i>T. Saito</i> | Checked <i>M. H.</i> | Designed <i>T. Takata</i> |
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DEVELOPMENT SPECIFICATION

P/N: LNJ218C8ARA1

TEMPORARY



Feb. 24. 2000

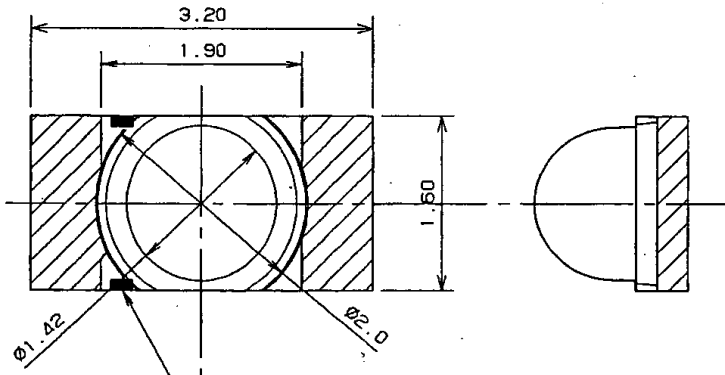
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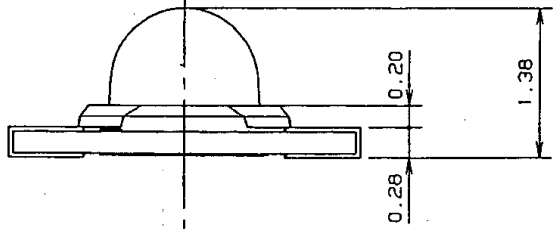
KB-H-022-018B

| | | | |
|----------|---------|------------------|---|
| Approved | Checked | Designed | DEVELOPMENT SPECIFICATION (OUTLINE) P/N: LNJ218C8ARA1 |
| | | <i>T. Tabata</i> | |

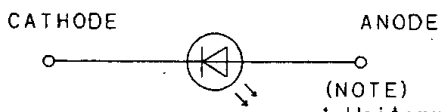
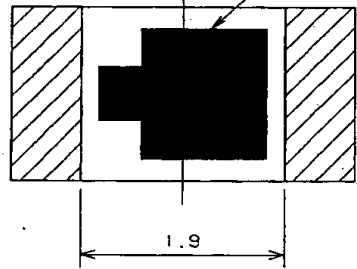
TEMPORARY




Polarity mark (Black)



Polarity mark (Red)



- (NOTE)
 1. Unit:mm
 2. Tolerance unless specified is ± 0.15 .
 3.  indicate Au terminal.

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| Mar. 23. 2001 | | |
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