Lighting Color • Soft Orange

LNJ808K87RA

Hight Bright Surface Mounting Chip LED

SS Type

Absolute Maximum Ratings $T_a = 25^{\circ}C$

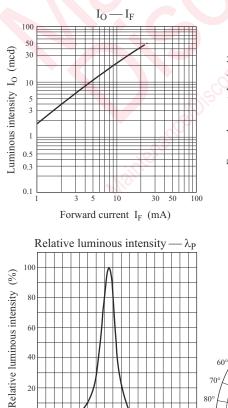
| Parameter | Symbol | Rating | Unit |
|-------------------------------|------------------|-------------|------|
| Power dissipation | P _D | 55 | mW |
| Forward current | $I_{\rm F}$ | 20 | mA |
| Pulse forward current * | I_{FP} | 100 | mA |
| Reverse voltage | V _R | 4 | V |
| Operating ambient temperature | T _{opr} | -25 to +85 | °C |
| Storage temperature | T _{stg} | -40 to +100 | °C |

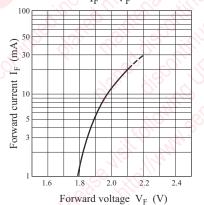
Note) *: The condition of I_{FP} is duty 10%, Pulse width 1 msec.

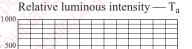
Electro-Optical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

| Parameter | Symbol | | Conditions | ^{S~} Min | Тур | Max | Unit |
|--------------------------------------|-------------------|-----------------------|--|-------------------|-------------------|-------|------|
| Luminous intensity * | I _O | $I_F = 10 \text{ mA}$ | \$K0~ | 7.0 | 21.0 | | mcd |
| Reverse current | I _R | $V_R = 4 V$ | in the second seco | | | 10 | μΑ |
| Forward voltage | V _F | $I_F = 10 \text{ mA}$ | 301. 10. | | 1.95 | 2.50 | V |
| Peak emission wavelength | $\lambda_{\rm P}$ | $I_F = 10 \text{ mA}$ | NAME CON | 2 | 615 | All I | nm |
| Spectral half band width | Δλ | $I_F = 10 \text{ mA}$ | ON AN NO IN | S | 15 | | nm |
| Note) *: Measurement tolerance: +20% | | 100 | 10 0 V V | | \mathcal{D}_{i} | 101 | |

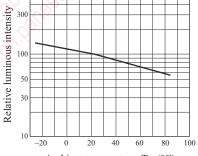
Note) *: Measurement tolerance: ±20%

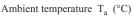


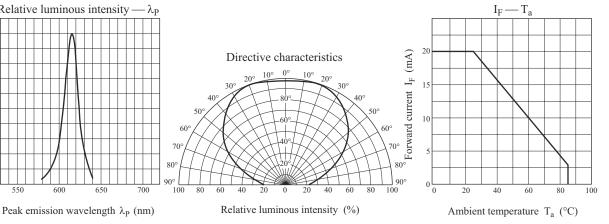




%







Publication date: December 2008

550

80

60

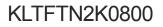
40

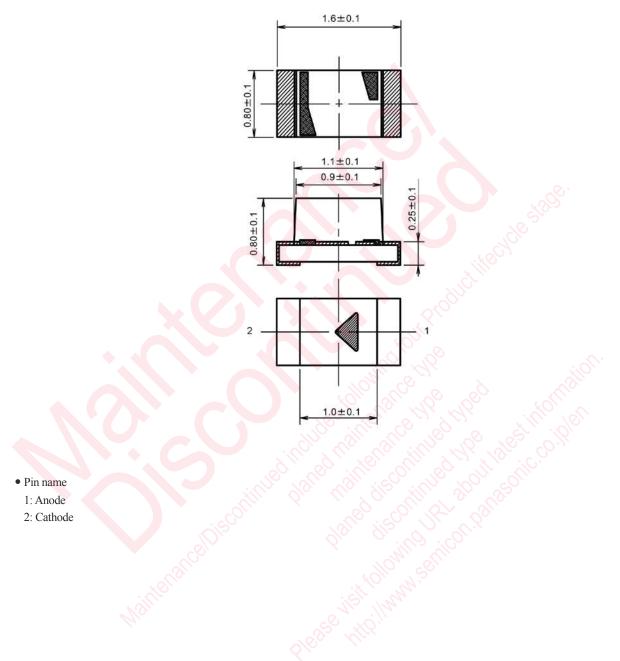
20

0

LNJ808K87RA

Package (Unit: mm)





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