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Panasonic Electronic Components
LNJ412K84RA

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

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION Tentative P/N:LNJ412K84RA				

TYPE	Amber Light Emitting Diode						
APPLICATION	Indicators						
MATERIAL	InGaAlP						
OUTLINE	Attached						
ABSOLUTE MAXIMUM RATINGS	P 55 mW	*1 I_{FP} 60 mA	I_{FDC} 20 mA	V_R 4 V	Topr -30～+85 ℃	Tstg -40～+100 ℃	
CONDITION	Ta＝25±3 ℃						

Test Specification

Item	Symbol	Condition	Typ.	Limit		Unit
				Min	Max	
Forward Voltage	V_F	I_F＝10 mA	2.1		2.5	V
Reverse Leakage Current	I_R	V_R＝ 4 V			100	μA
Luminous Intensity *2	I_O	I_F＝10 mA DC	26	14		mcd
Peak Emission Wavelength	λp	I_F＝10 mA DC	595			nm
Spectral Line Half Width	Δλ	I_F＝10 mA DC	15			nm

*1 · 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 1 mA DC) or pulse current operation and have any questions.
*2 Measurement Tolerance is ±20%.

NOTE

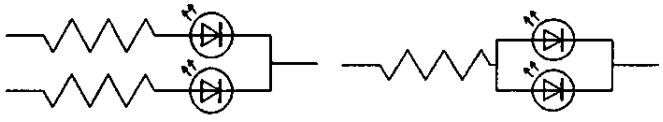
★1. Terminal:Plated with gold on copper base.

★2. Beware of destruction by static electricity in handling the LED.

★3. Soldering conditions.
Refer to Handling note.

★4. Care should be taken that soldering is done within 7-days after opening the dry package and reel.

★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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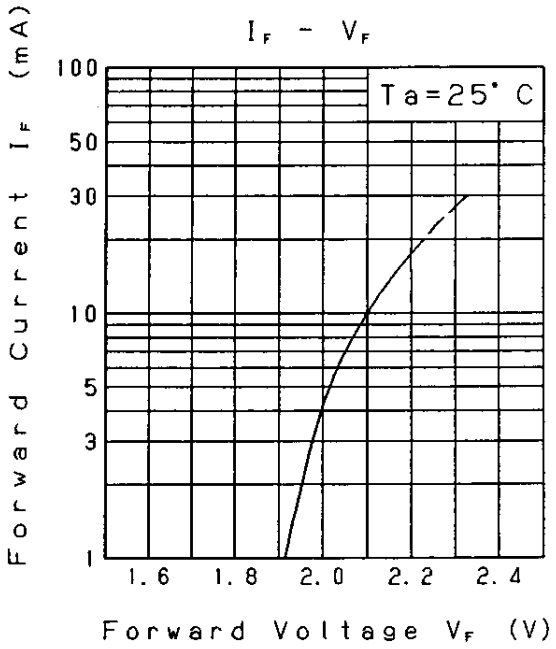

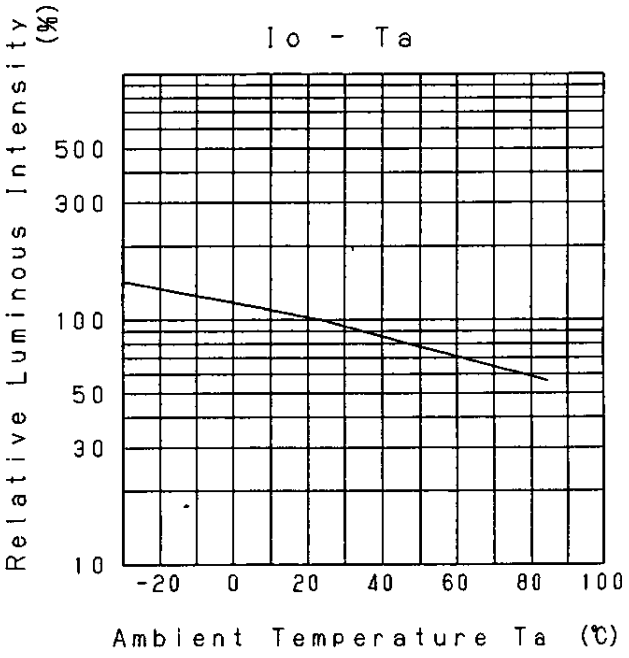

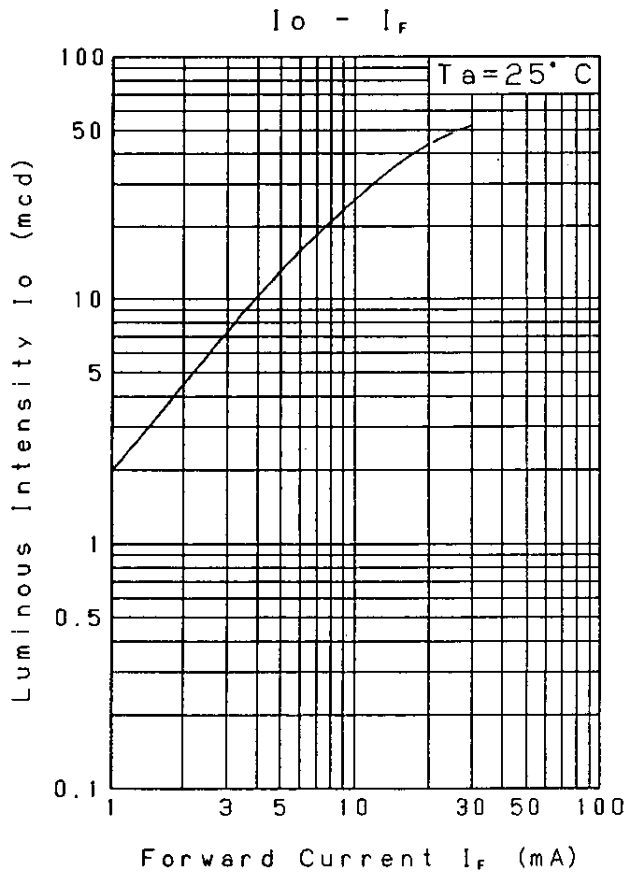

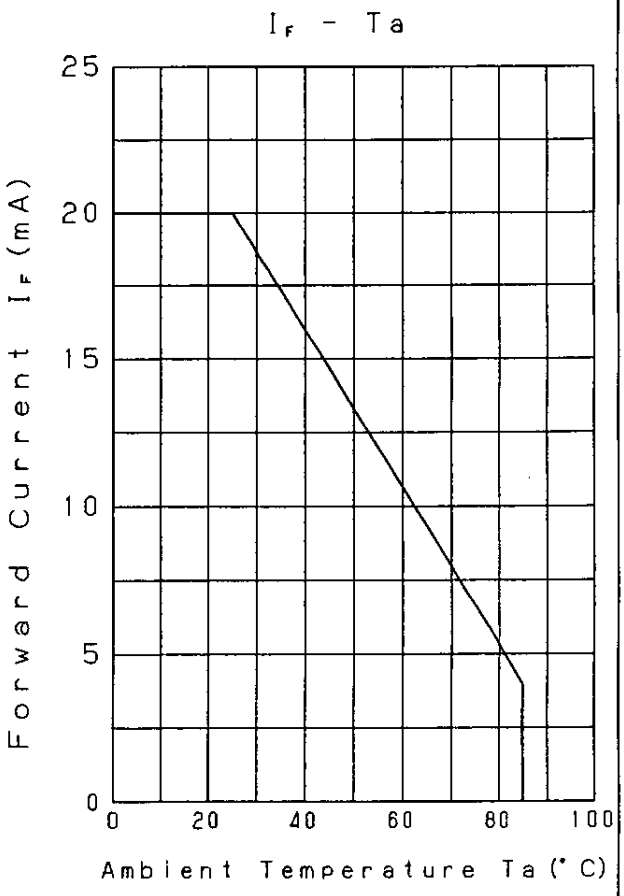

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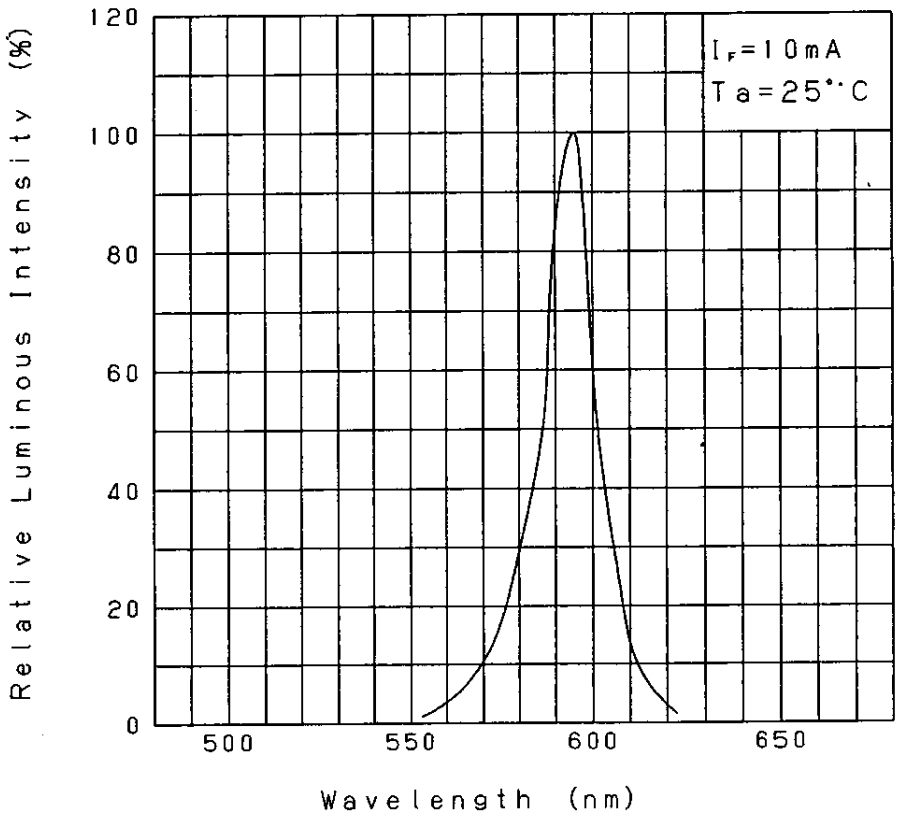
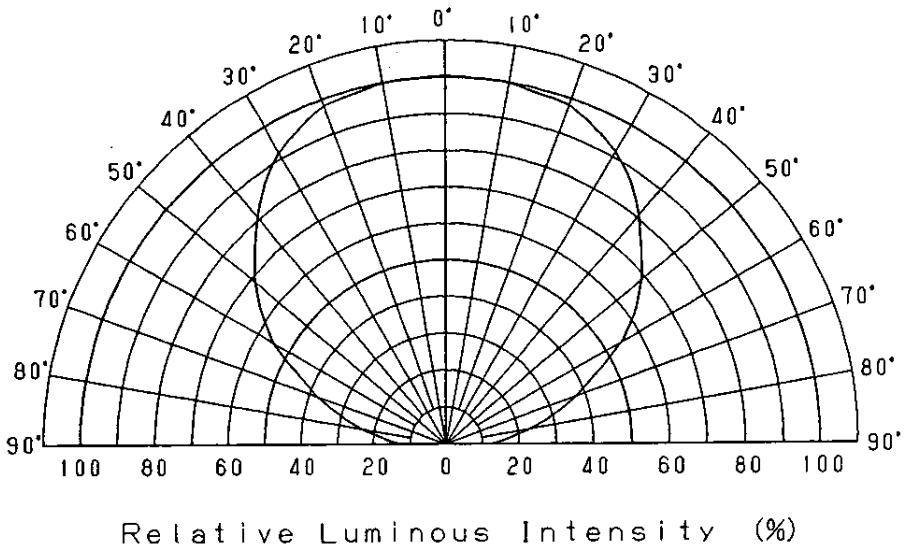
Relative Luminous Intensity
Wavelength Characteristics



Directive Characteristics



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DEVELOPMENT SPECIFICATION
(O U T L I N E)
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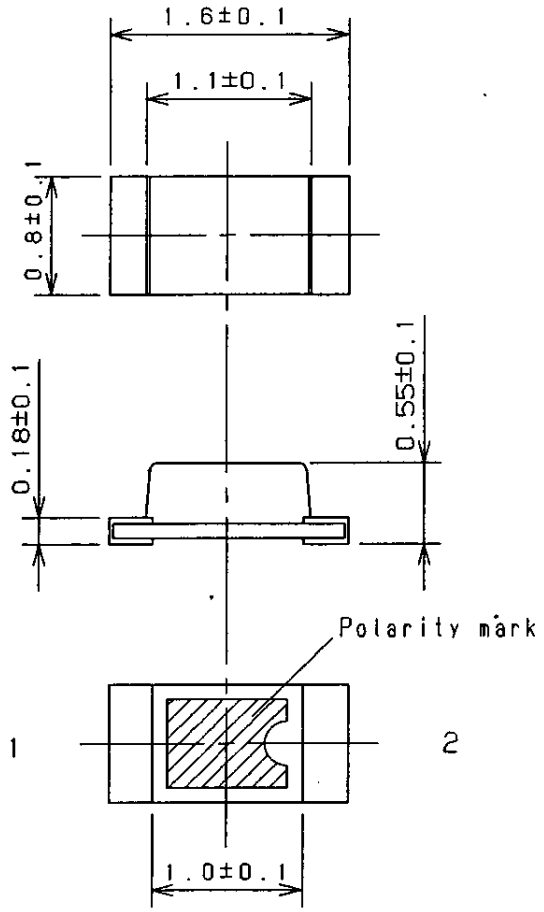
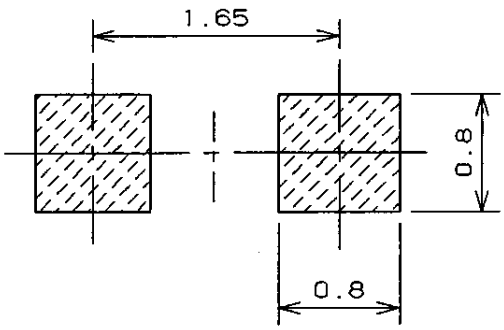
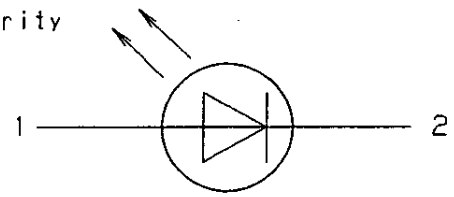


Recommended Land Layout



Polarity



1 : Anode
2 : Cathode

(NOTE)

1. Measurement of the package doesn't include electrode projection.
2. Unit ; mm

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