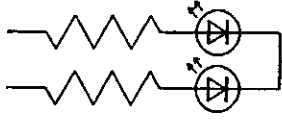
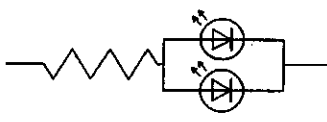
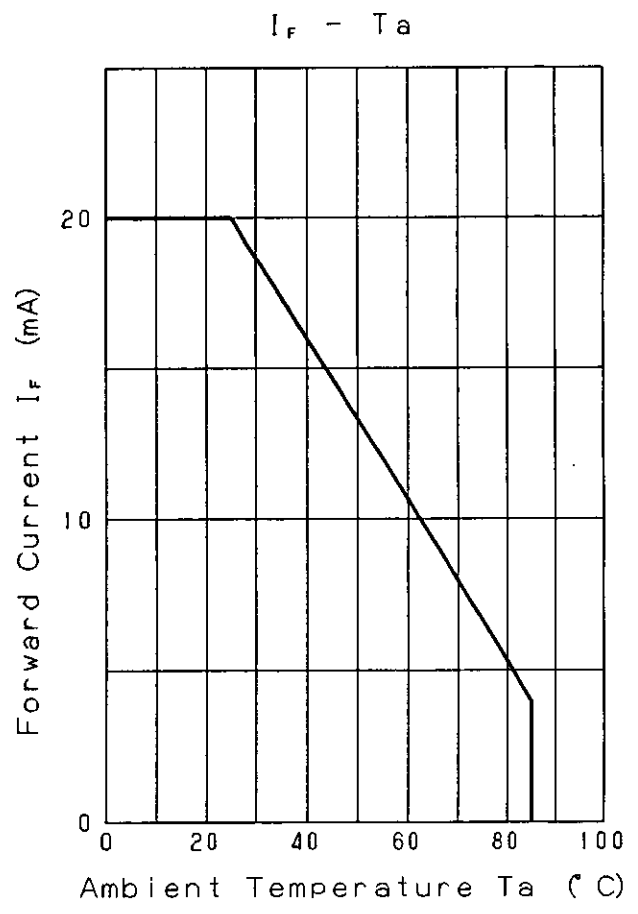
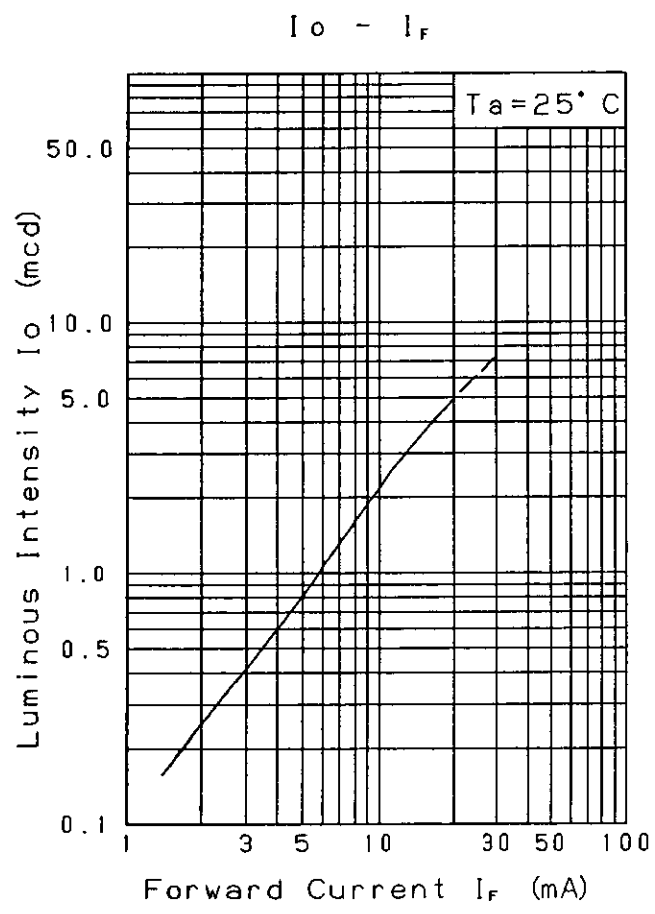
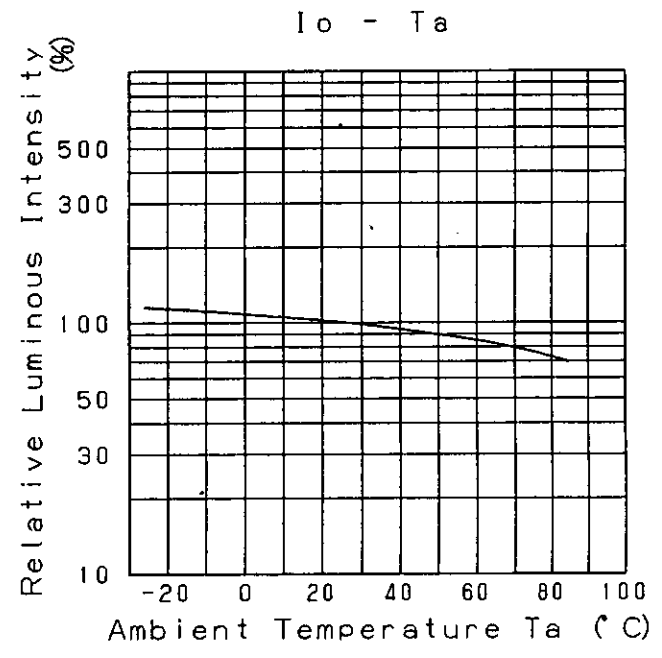
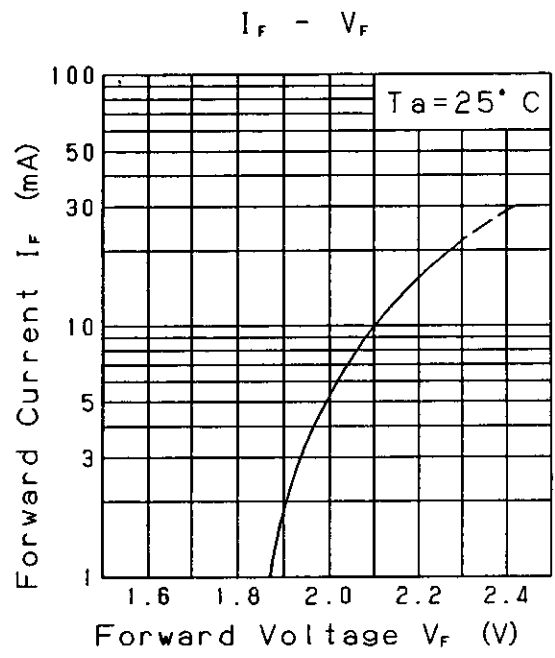


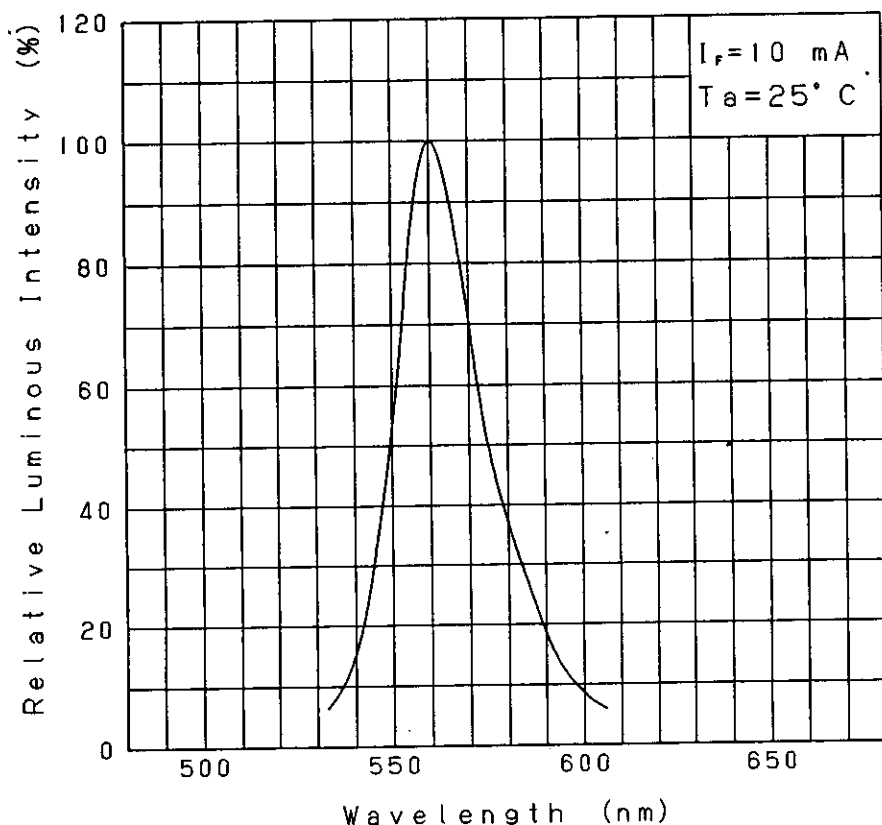
Approved	Checked	Designed	DEVELOPMENT SPECIFICATION					
		<i>K. Sakamoto</i>	Tentative P/N:LNJ308G84RA					
T	Y	P	E	Green Light Emitting Diode				
APPLICATION			Indicators					
MATERIAL			GaP					
OUTLINE			Attached					
ABSOLUTE MAXIMUM RATINGS			P	*1 I _{FP}	I _{FDC}	V _R	Topr	Tstg
			60	100	20	4	-25~+85	-40~+100
			mW	mA	mA	V	°C	°C
CONDITION			T _a = 25 ± 3 °C					
Test Specification								
Item	Symbol	Condition	Typ.	Limit		Unit		
				Min	Max			
Forward Voltage	V _F	I _F = 10 mA	2.1		2.6	V		
Reverse Leakage Current	I _R	V _R = 4 V			10	μA		
Luminous Intensity *2	I _O	I _F = 10 mA DC	2.1	1.1		mcd		
Peak Emission Wavelength	λ _p	I _F = 10 mA DC	560			nm		
Spectral Line Half Width	Δλ	I _F = 10 mA DC	25			nm		
<p>*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.</p> <p>*2 Measurement Tolerance is ±20%.</p>								
NOTE								
★1. Terminal:Plated with gold on copper base.								
★2. Package:Light green diffusion type.								
★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.								
						<p>(A) Recommended circuit. (B) The difference of brightness between the LED could be found due to the V_F characteristics of each LED.</p>		
(A)			(B)					
Oct. 20. 2001								



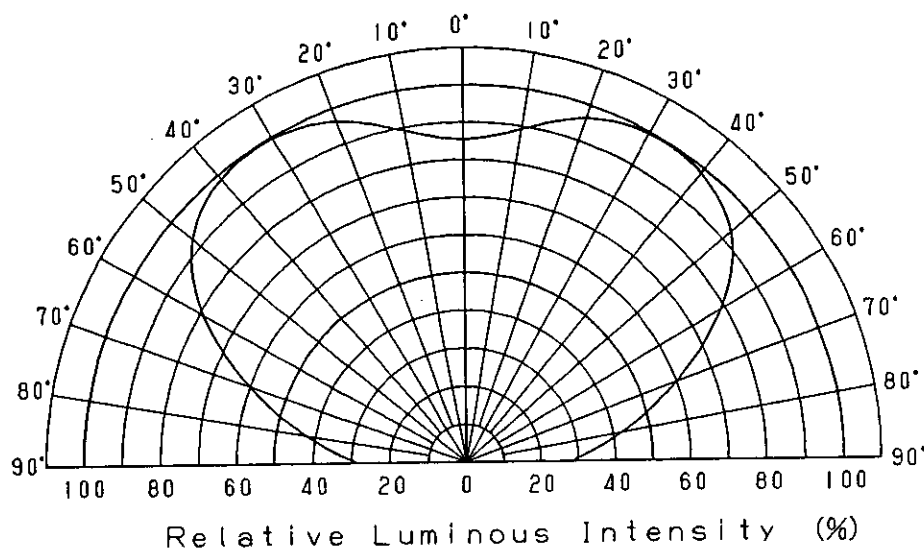
Oct. 20. 2001			
---------------	--	--	--

Approved	Checked	Designed <i>K. Ishikawa</i>	DEVELOPMENT SPECIFICATION			
			Tentative			
			P/N:LNJ308G84RA			

Relative Luminous Intensity
Wavelength Characteristics



Directive Characteristics



Oct.20.2001			

Approved

Checked

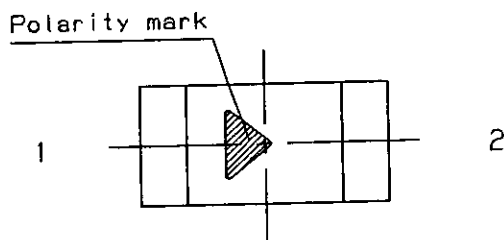
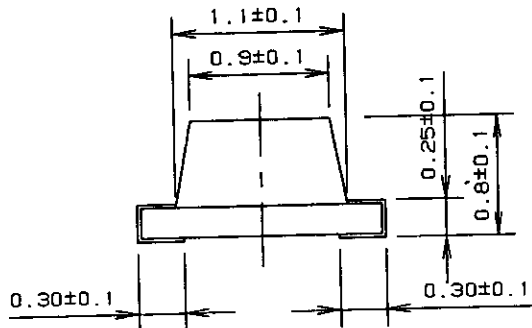
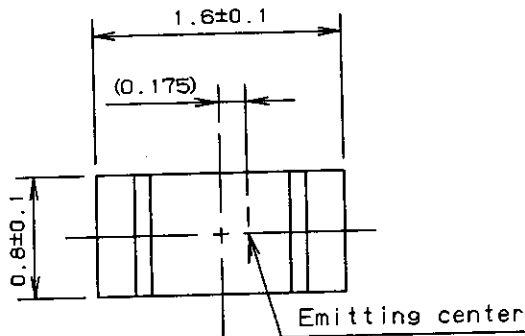
Designed

DEVELOPMENT SPECIFICATION

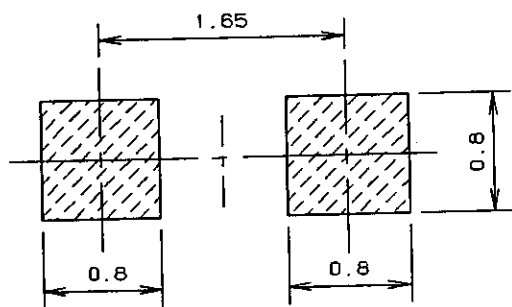
Tentative

P/N:LNJ308G84RA

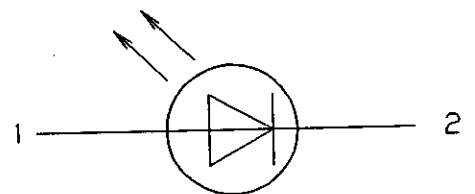
K. J. ...



Recommended Land Layout



Polarity



1: Anode
2: Cathode

(NOTE)

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

Oct. 20. 2001

Panasonic

KAGOSHIMA MATSUSHITA ELECTRONICS CO., LTD.

KB-H-022-018B