Approved	Checked	Designed	DEVELOPMENT SPECIFICATION				
			Tentative				
			P/N:LNJ312G84RA				

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 mW	60 mA	20 mA	4 V	-30～+85 ℃	-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		2.6	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	λp	I_F＝10 mA DC	560			nm
Spectral Line Half Width	Δλ	I_F＝10 mA DC	25			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

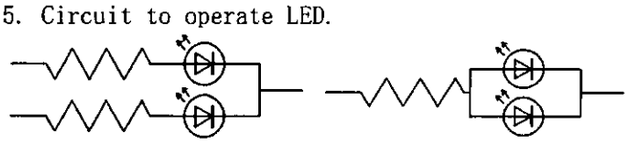
★1. Terminal:Plated with gold on copper base.

★2. 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.



(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.

Oct. 20. 2001			

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		K. Ishibashi

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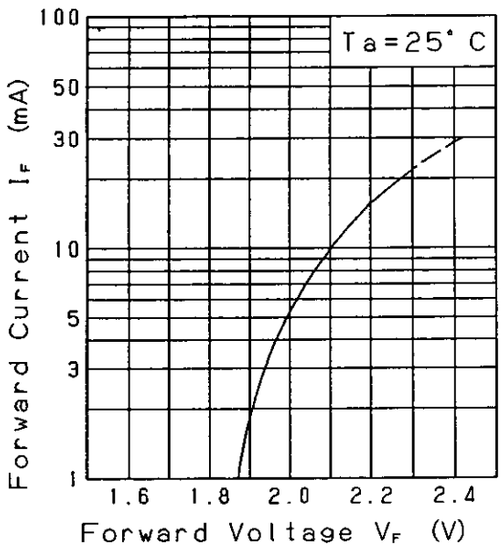
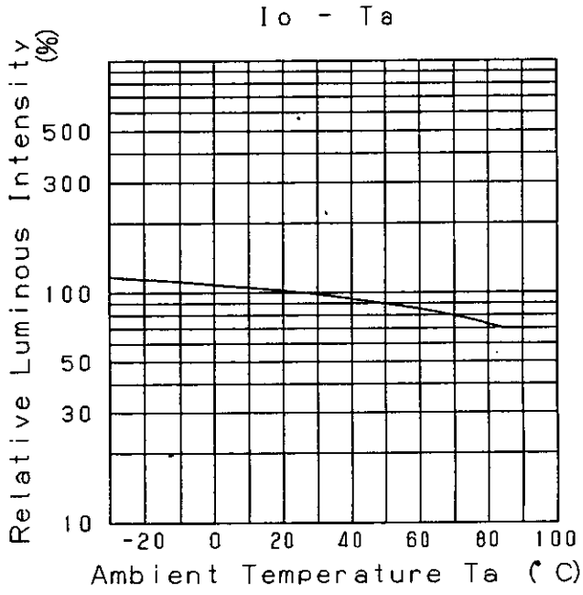
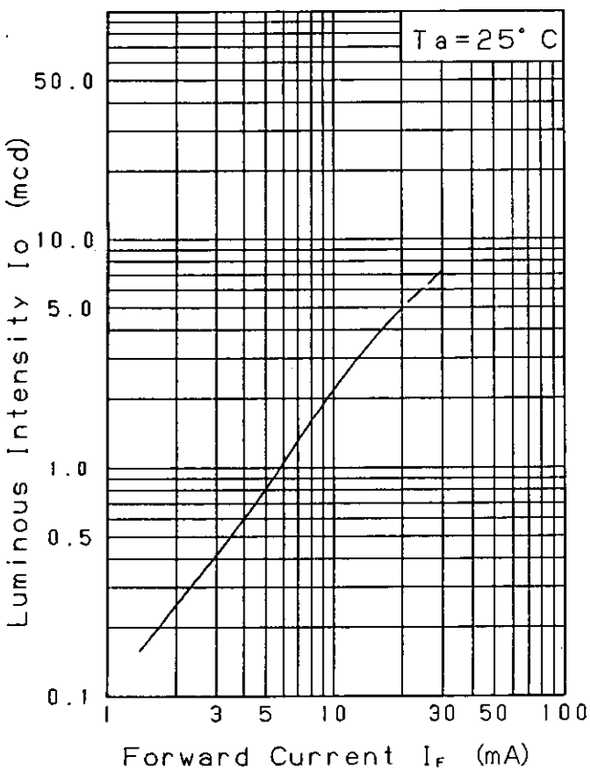
I_F - V_F



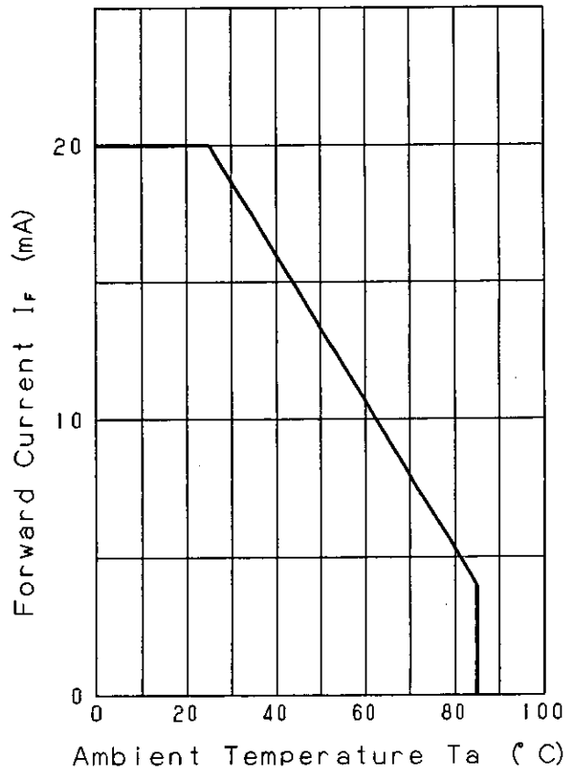
Io - Ta



Io - I_F



I_F - Ta



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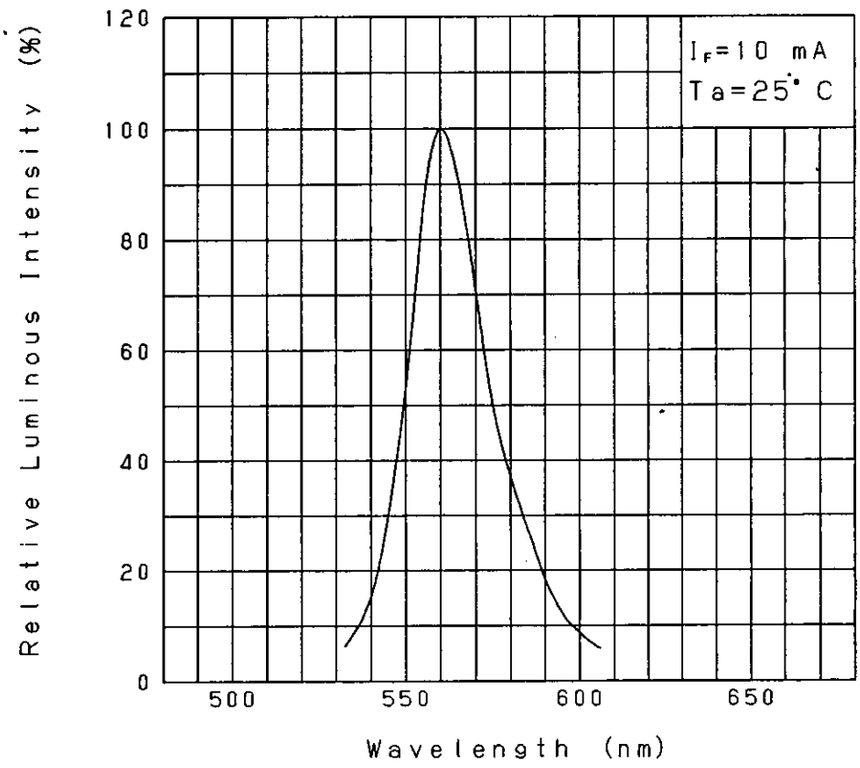
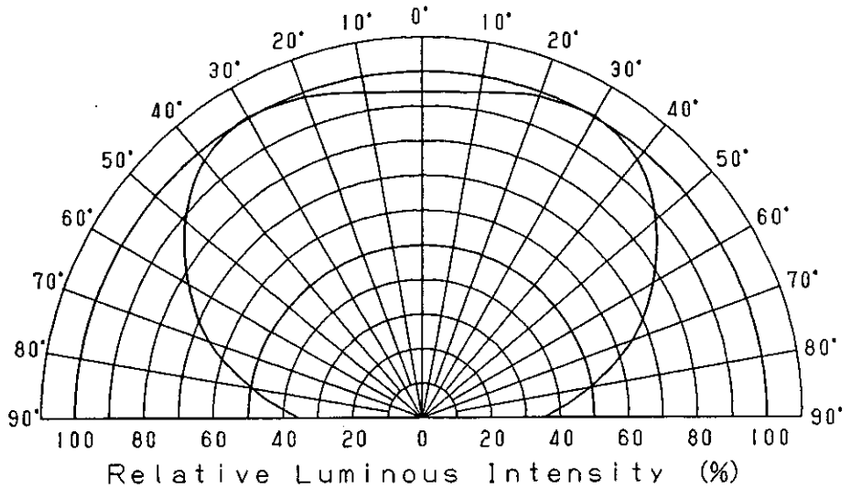
Relative Luminous Intensity Wavelength Characteristics



Directive Characteristics



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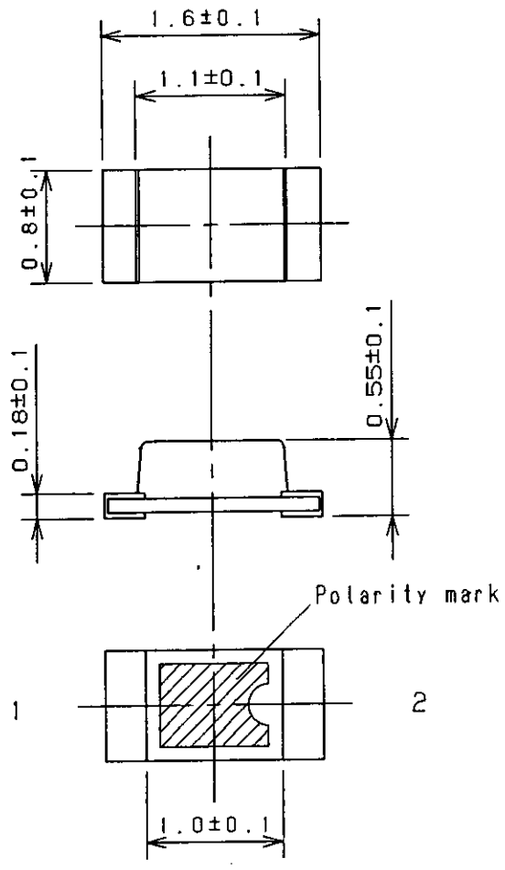
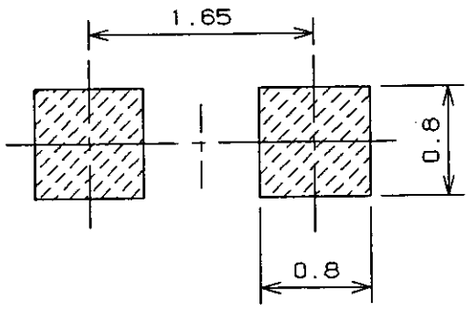
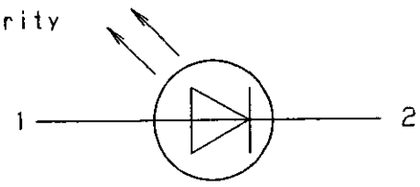


Recommended Land Layout



Polarity



1 : Anode

2 : Cathode

(NOTE)

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

Oct.20.2001			