Approved	Checked	Designed

DEVELOPMENT SPECIFICATION

Tentative

P/N:LNJ310C64RA

T Y P E	Green Light Emitting Diode
APPLICATION	Indicators
MATE'RIAL	GaP
OUTLINE	Attached

ABSOLUTE MAXIMUM RATINGS	P	*1 I_{FP}	I_{FDC}	V_R	Topr	Tstg
	60 mW	60 mA	20 mA	4 V	-25～+85 ℃	-30～+100 ℃

CONDITION: Ta＝25±3 ℃

Test Specification

Item	Symbol	Condition	Typ.	Limit Min	Limit Max	Unit
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	3.2	1.7		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

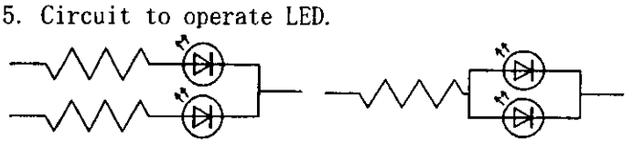
★1. Terminal:Plated with gold on copper base.

★2. Package : Clear type.

★3. Soldering conditions.
Refer to Handling note.

★4. Care should be taken that soldering is done within 3-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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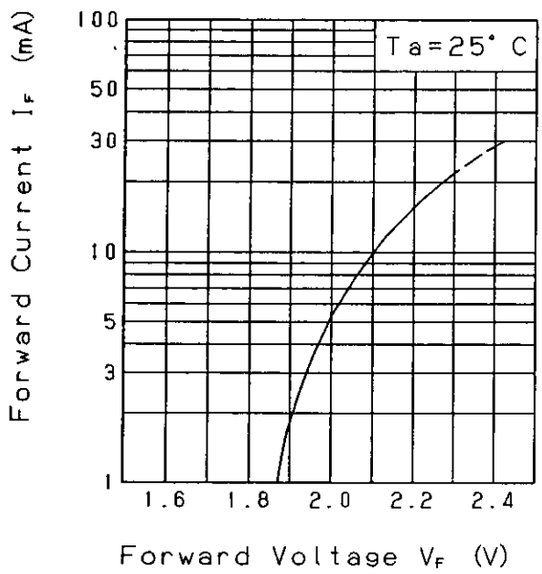
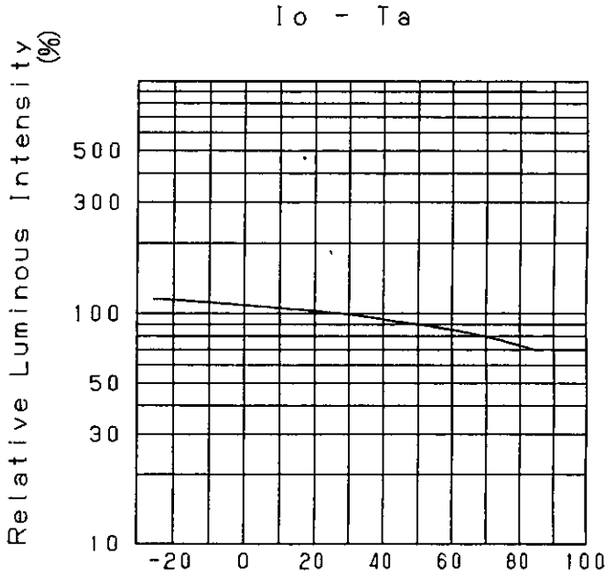
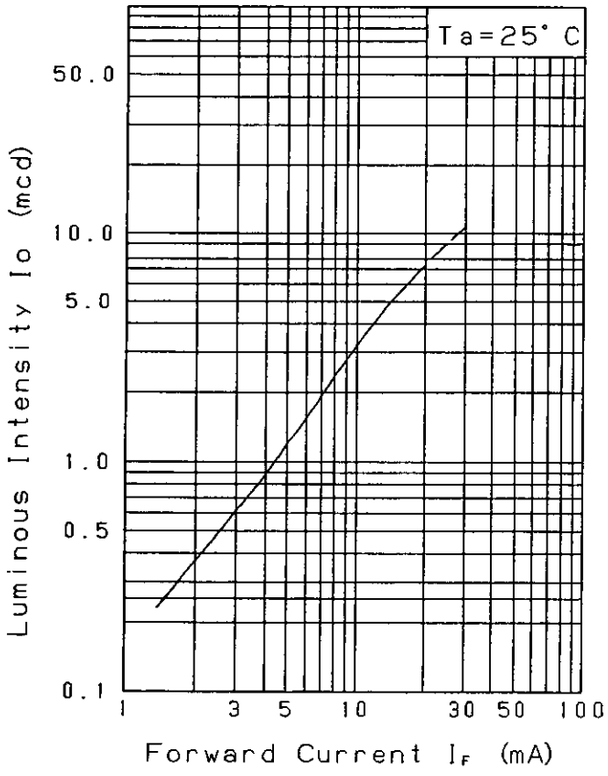
I_F - V_F



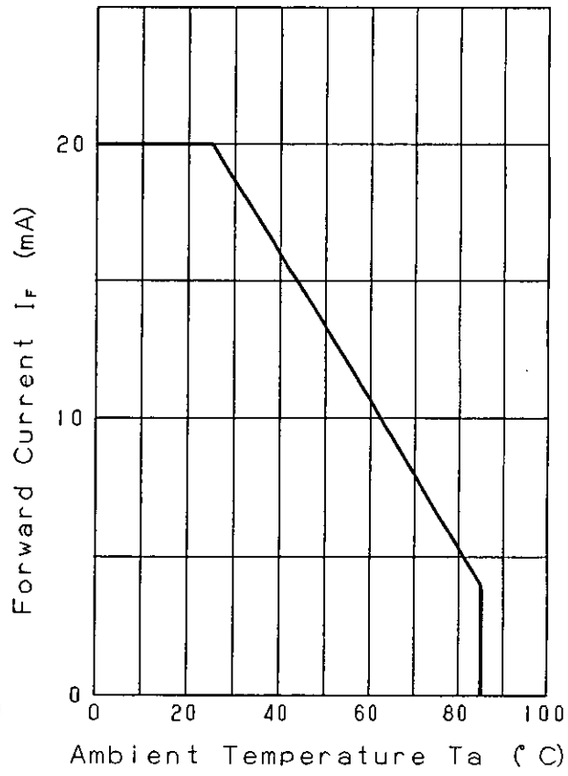
Io - Ta



Io - I_F



I_F - Ta



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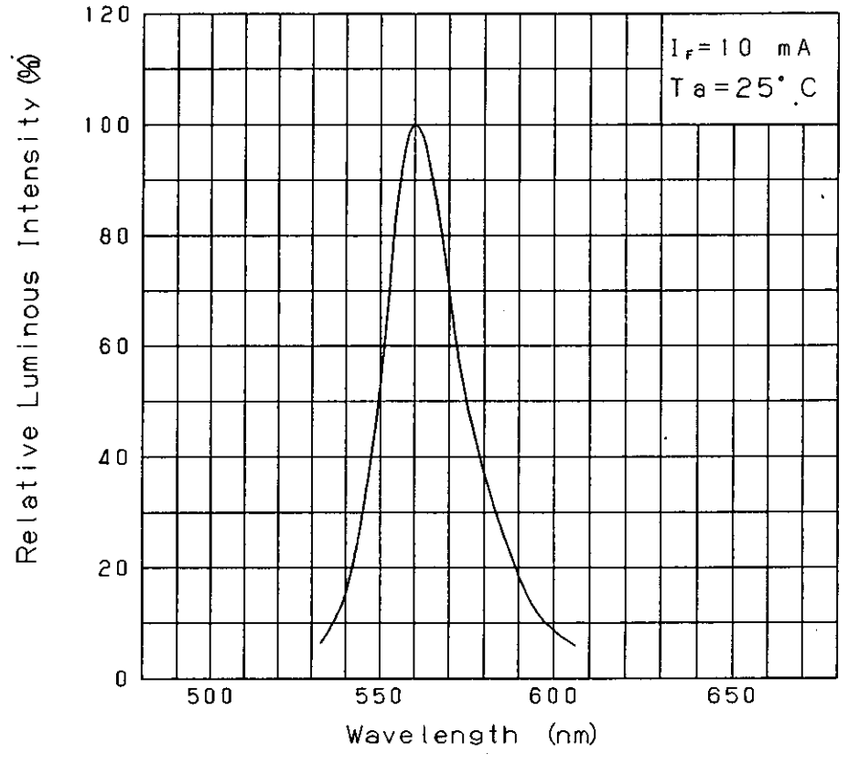
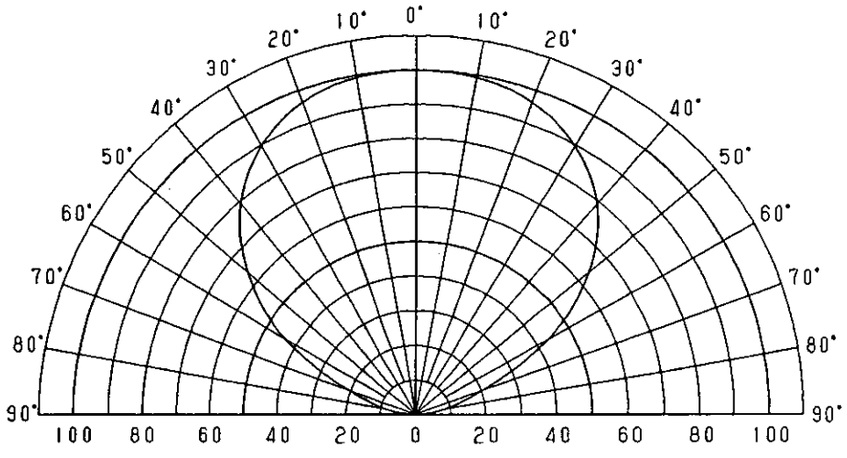
Relative Luminous Intensity Wavelength Characteristics



Directive Characteristics



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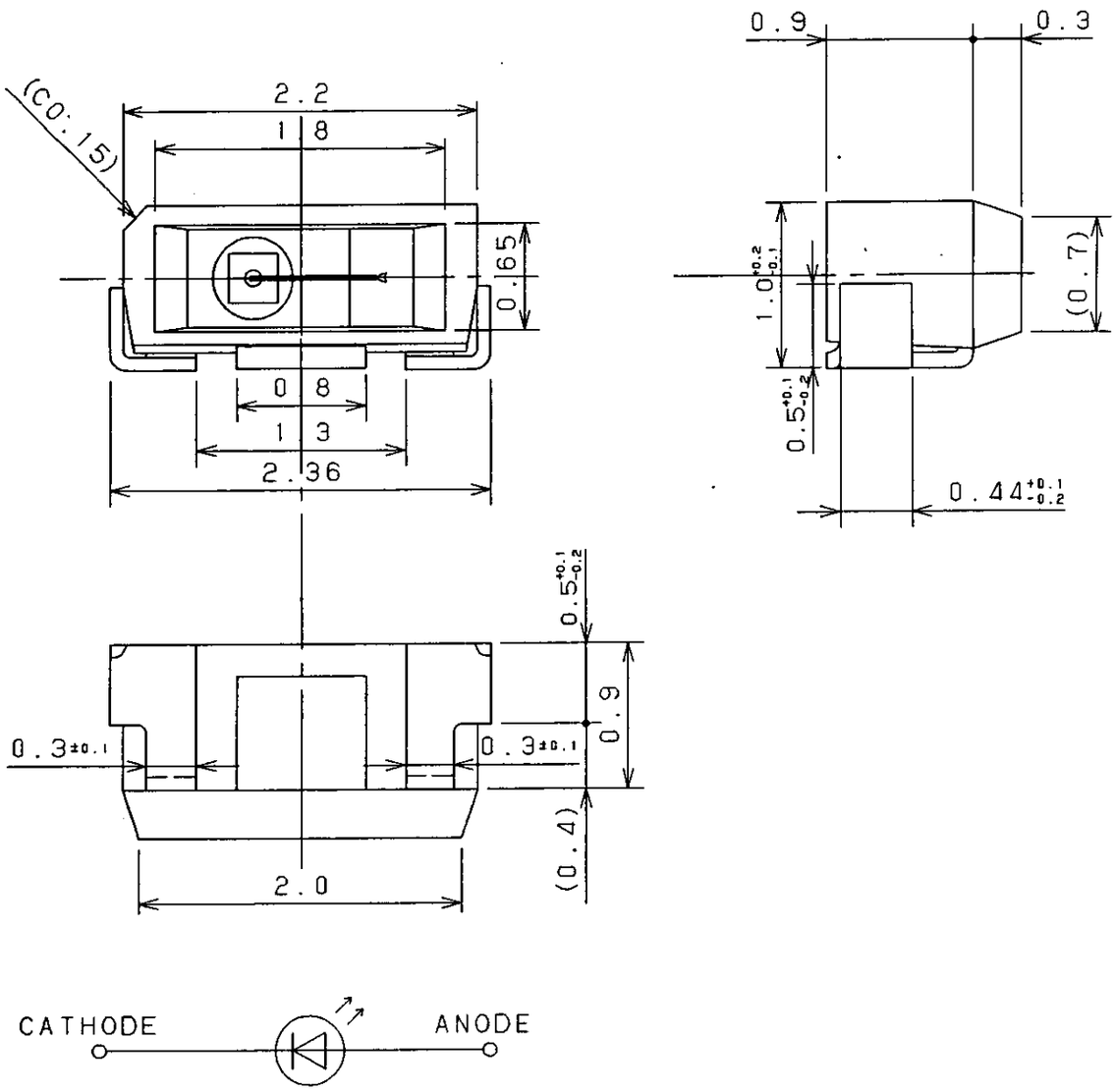
DEVELOPMENT SPECIFICATION
(OUTLINE) Tentative
P/N:LNJ310C64RA



(NOTE)
1. Unit:mm
2. Tolerance unless specified is ±0.15.

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