

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION Tentative P/N:LNJ310C6PRA				
		<i>K. J. [Signature]</i>					

T Y P E	Green Light Emitting Diode						
APPLICATION	Indicators						
MATERIAL	GaP						
OUTLINE	Attached						
ABSOLUTE MAXIMUM RATINGS	P	*1 I <sub>FP</sub>	I <sub>FDC</sub>	V <sub>R</sub>	Topr	Tstg	
	60	60	20	4	-25~+85	-30~+100	
	mW	mA	mA	V	°C	°C	
CONDITION	T <sub>a</sub> = 25 ± 3 °C						

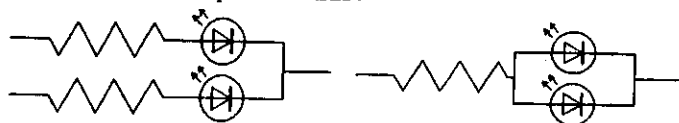
Test Specification

Item	Symbol	Condition	Typ.	Limit		Unit
				Min	Max	
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> = 10 mA	2.03		2.6	V
Reverse Leakage Current	I <sub>R</sub>	V <sub>R</sub> = 4 V			10	μA
Luminous Intensity *2	I <sub>O</sub>	I <sub>F</sub> = 10 mA DC	1.1	0.6		mcd
Peak Emission Wavelength	λ <sub>p</sub>	I <sub>F</sub> = 10 mA DC	555			nm
Spectral Line Half Width	Δλ	I <sub>F</sub> = 10 mA DC	20			nm

- \*1 · The Condition of I<sub>FP</sub> 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<sub>F</sub> characteristics of each LED.

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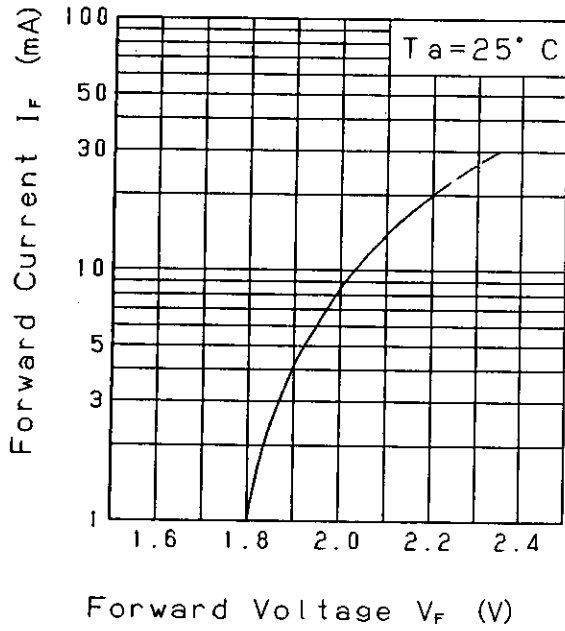
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DEVELOPMENT SPECIFICATION

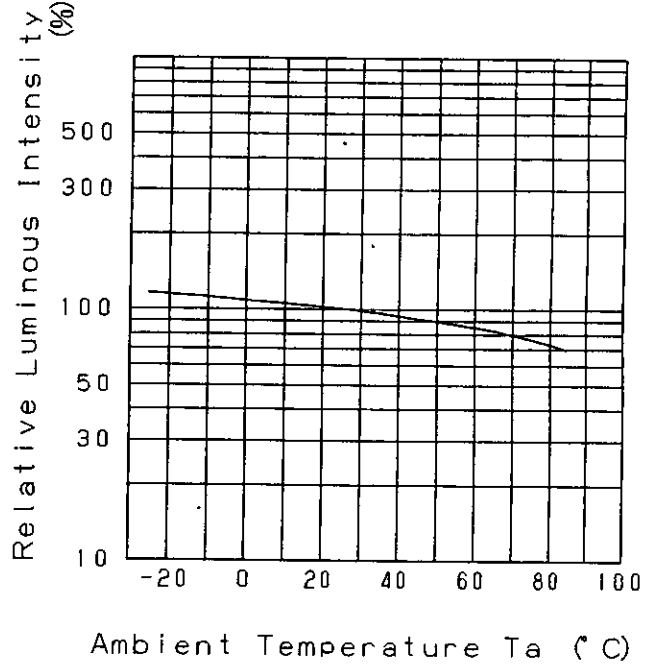
Tentative  
P/N:LNJ310C6PRA

*K. Sakai*

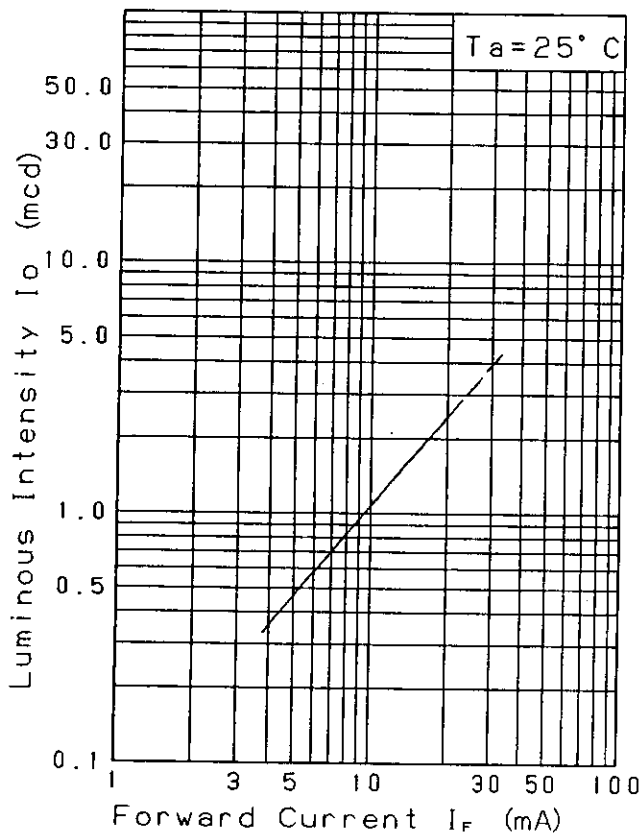
$I_F - V_F$



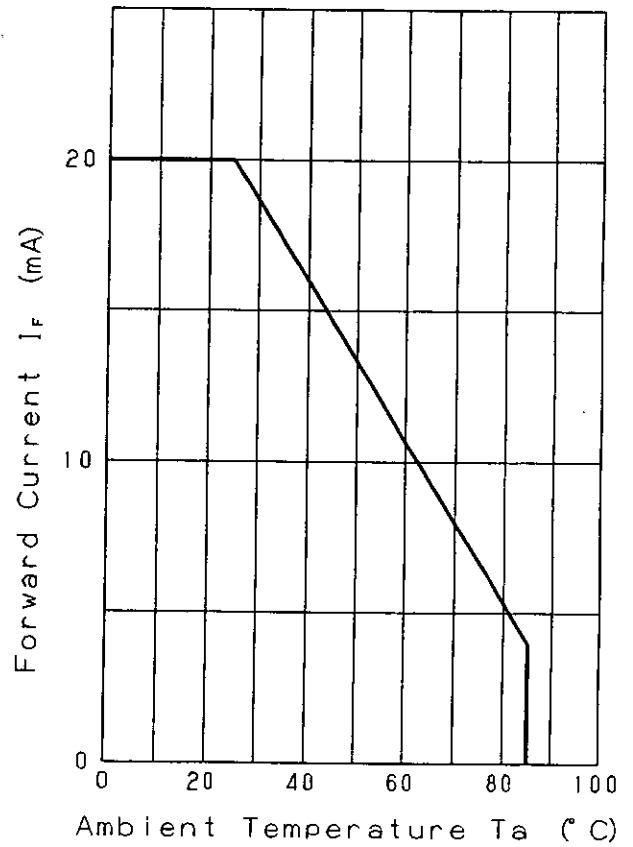
$I_o - T_a$



$I_o - I_F$



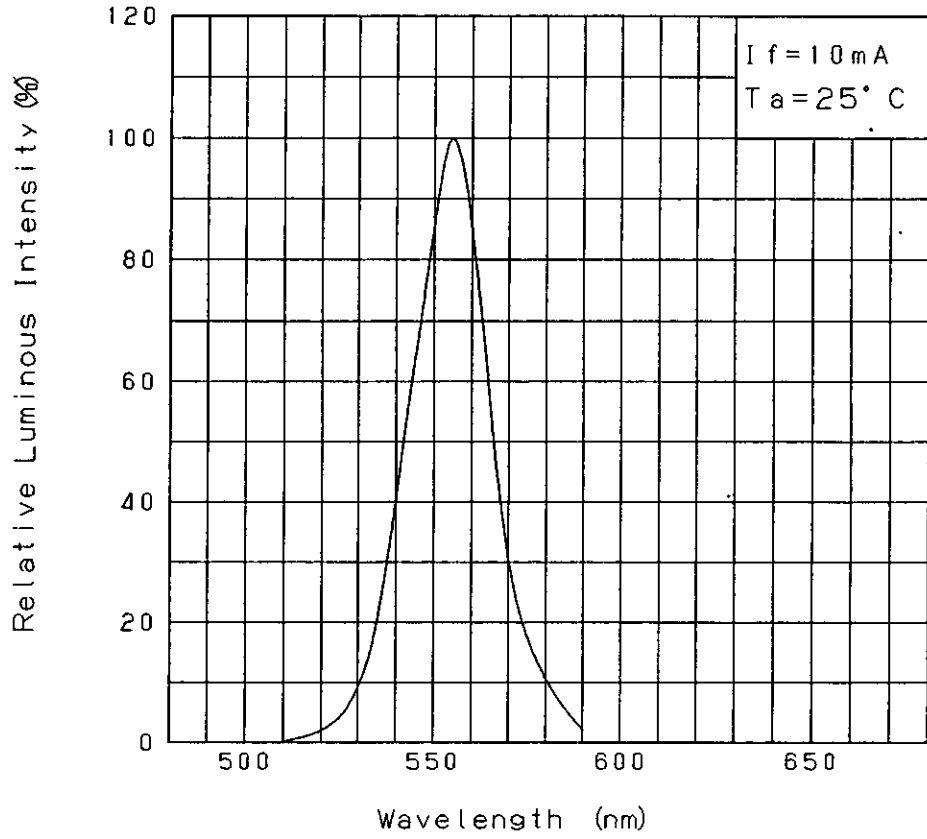
$I_F - T_a$



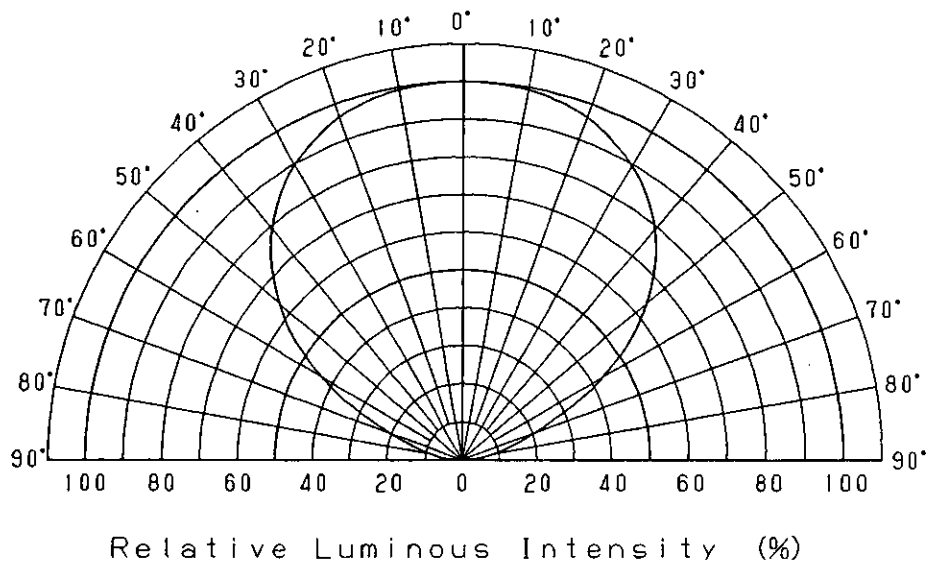
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		<i>K. A. Kubota</i>		Tentative P/N : LNJ310C6PRA		

Relative Luminous Intensity  
Wavelength Characteristics



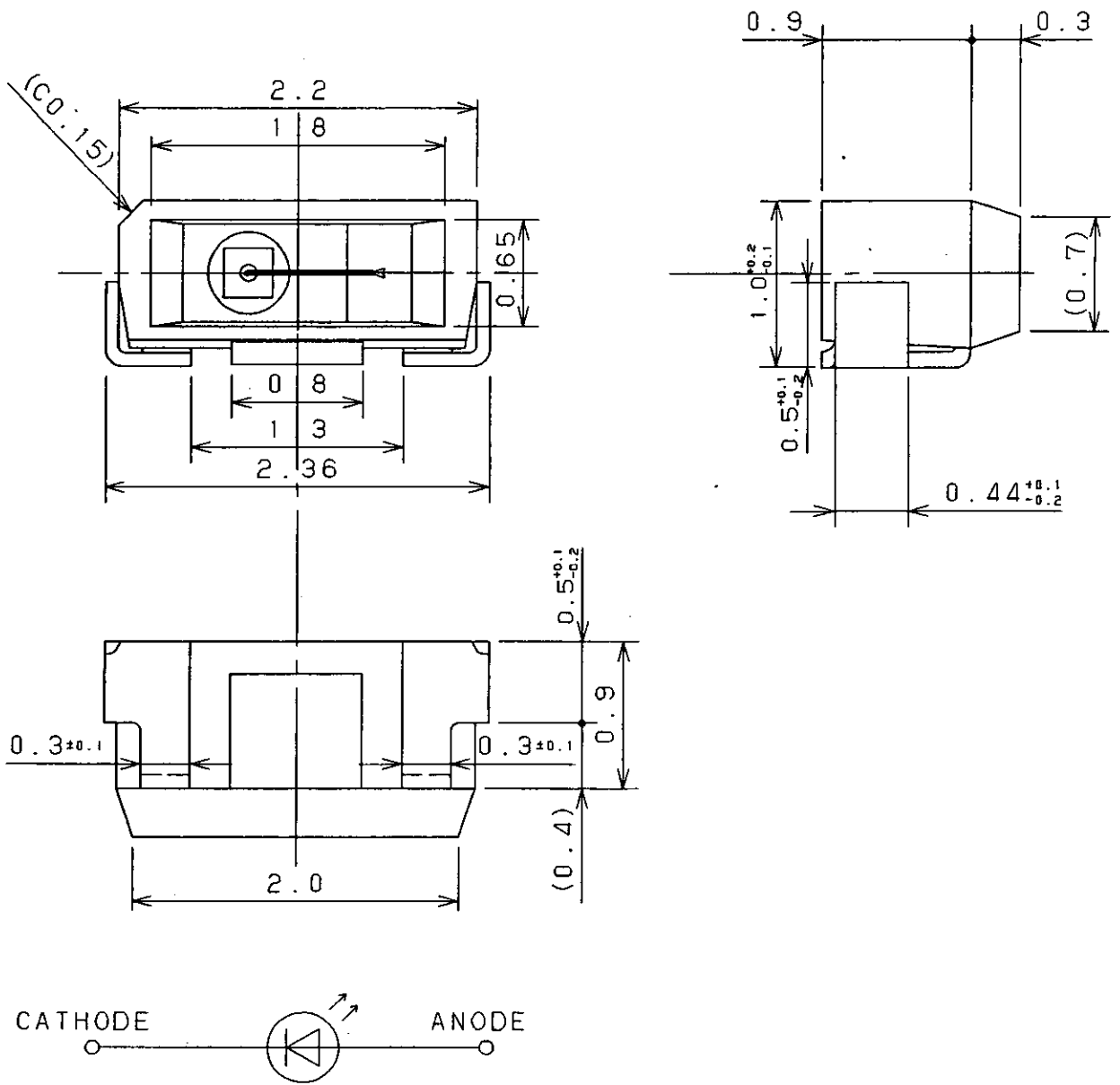
Directive Characteristics



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(NOTE)  
1. Unit: mm  
2. Tolerance unless specified is  $\pm 0.15$ .

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