

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION Tentative <u>P/N:LNJ310C64RA</u>				
		<i>K. Sakurai</i>					

T Y P E	Green Light Emitting Diode					
A P P L I C A T I O N	Indicators					
M A T E R I A L	GaP					
O U T L I N E	Attached					
A B S O L U T E M A X I M U M R A T I N G S	P	*1 I_{FP}	I_{FDC}	V_R	Topr	Tstg
	60	60	20	4	-25~+85	-30~+100
	mW	mA	mA	V	°C	°C
C O N D I T I O N	$T_a = 25 \pm 3 \text{ } ^\circ\text{C}$					

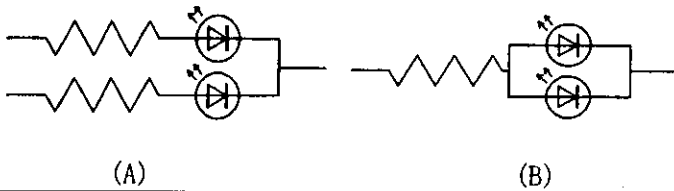
Test Specification

Item	Symbol	Condition	Typ.	Limit		Unit
				Min	Max	
Forward Voltage	V_F	$I_F = 10 \text{ mA}$	2.1		2.6	V
Reverse Leakage Current	I_R	$V_R = 4 \text{ V}$			10	μA
Luminous Intensity *2	I_O	$I_F = 10 \text{ mA DC}$	3.2	1.7		mcd
Peak Emission Wavelength	λ_p	$I_F = 10 \text{ mA DC}$	560			nm
Spectral Line Half Width	$\Delta\lambda$	$I_F = 10 \text{ mA DC}$	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 $\pm 20\%$.

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) 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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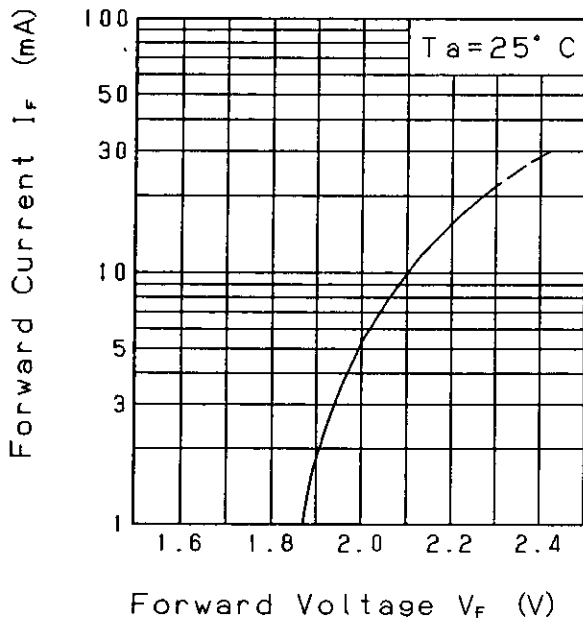
DEVELOPMENT SPECIFICATION

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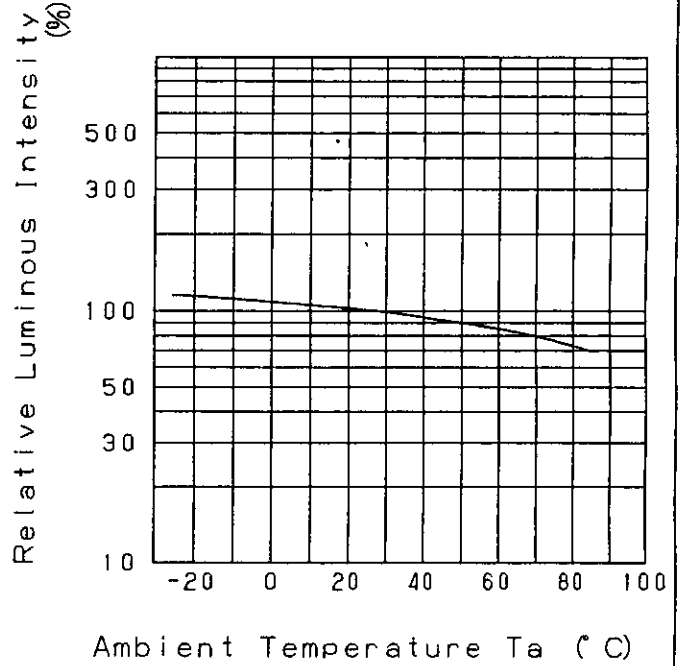
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K. Adachi

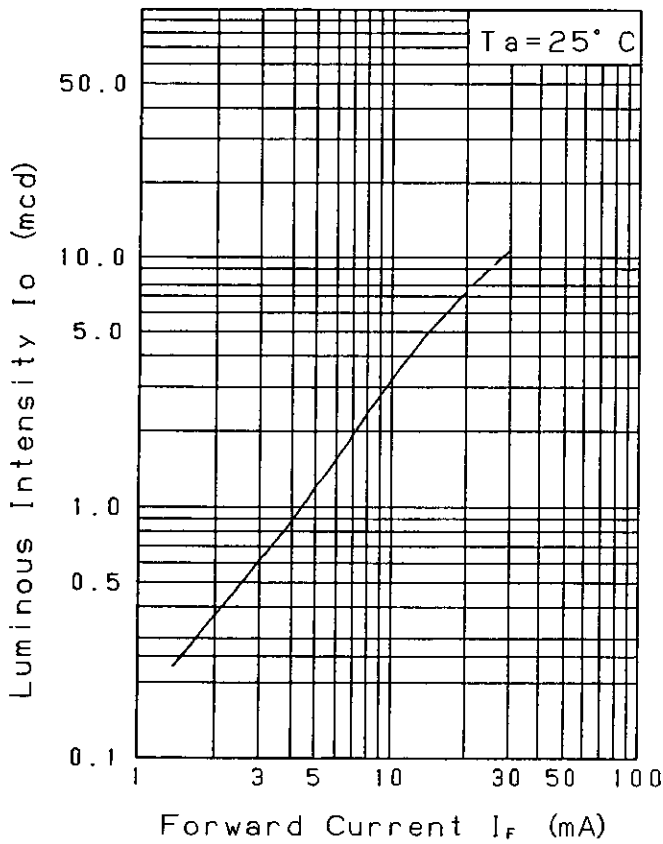
$I_F - V_F$



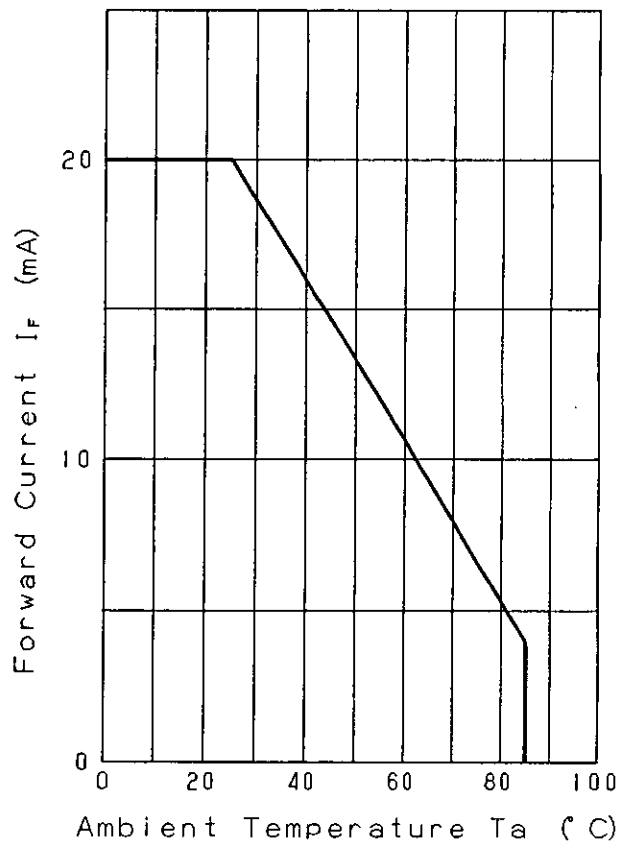
$I_o - T_a$



$I_o - I_F$



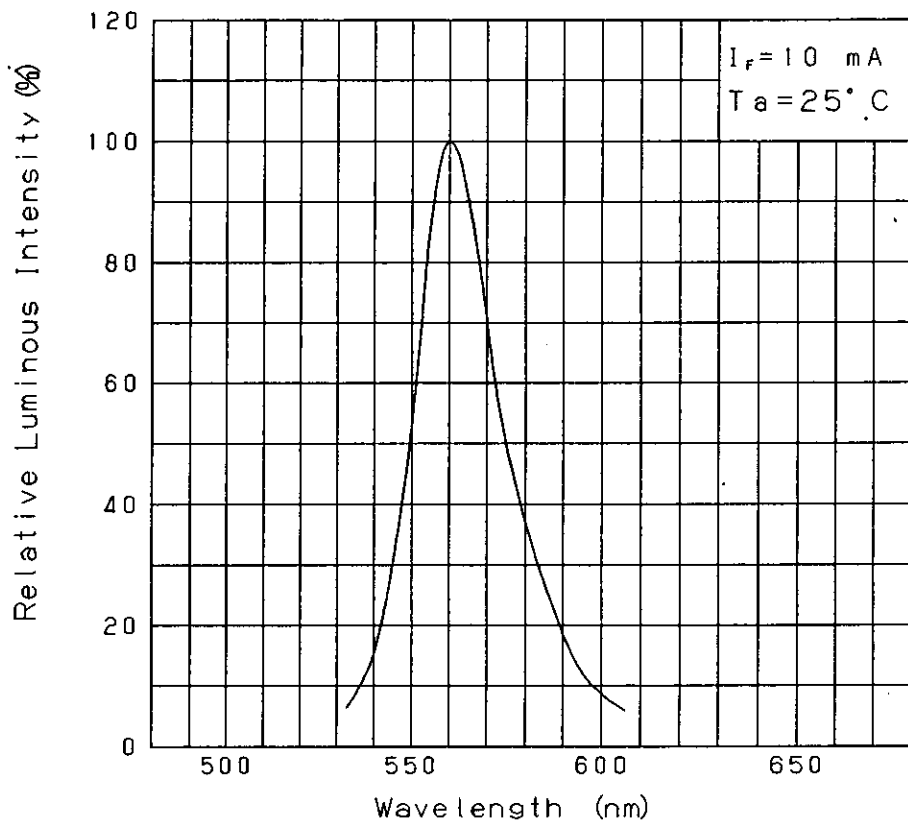
$I_F - T_a$



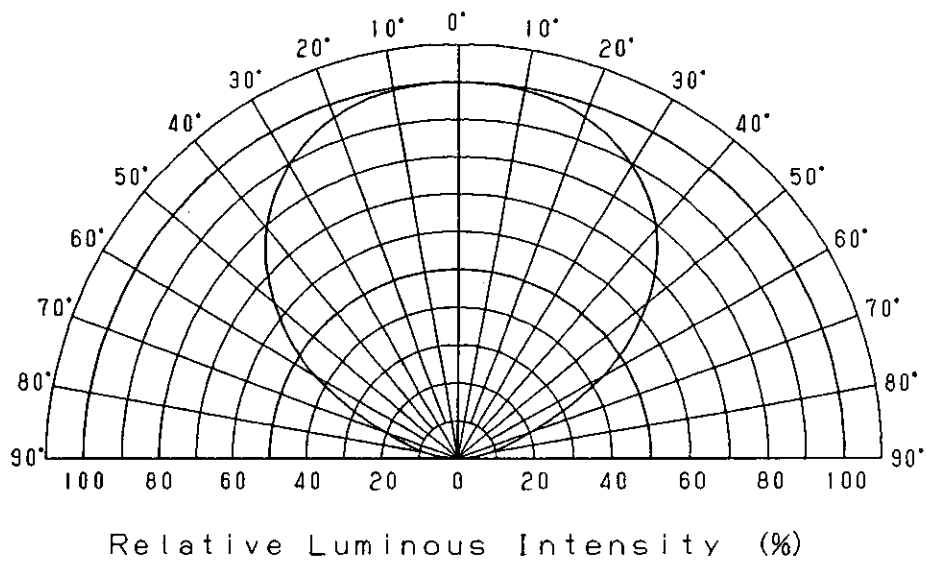
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		<i>K. Akita</i>				

Relative Luminous Intensity
Wavelength Characteristics



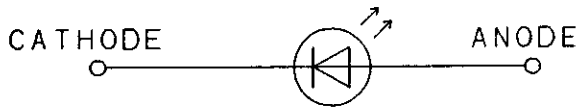
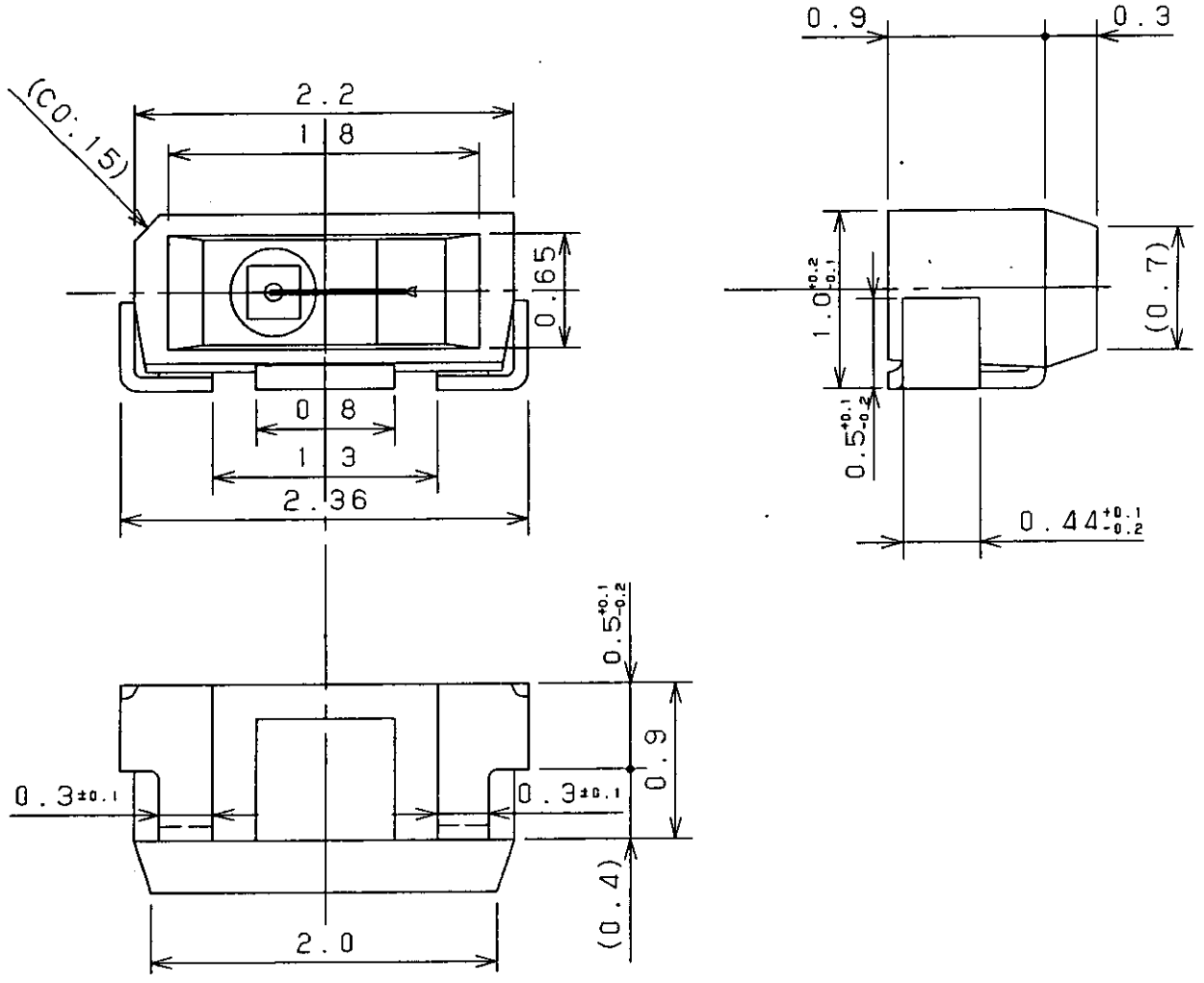
Directive Characteristics



Oct. 20. 2001			

Approved	Checked	Designed
		<i>K. A. [Signature]</i>

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

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