
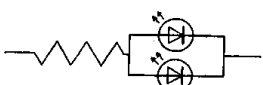


Approved	Checked	Designed	DEVELOPMENT SPECIFICATION					
		<i>K. A. Akhmed</i>	Tentative P/N:LNJ310C6PRA					
T	Y	P	E	Green Light Emitting Diode				
APPLICATION			Indicators					
MATERIAL			GaP					
OUTLINE			Attached					
ABSOLUTE MAXIMUM RATINGS			P	*1 I _{FP}	I _{FDC}	V _R	Topr	Tstg
			60 mW	60 mA	20 mA	4 V	-25~+85 °C	-30~+100 °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	2.03		2.6	V		
Reverse Leakage Current	I _R	V _R = 4 V			10	μA		
Luminous Intensity *2	I _O	I _F = 10 mA DC	1.1	0.6		mcd		
Peak Emission Wavelength	λ _p	I _F = 10 mA DC	555			nm		
Spectral Line Half Width	Δλ	I _F = 10 mA DC	20			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 : 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.								
						<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)					
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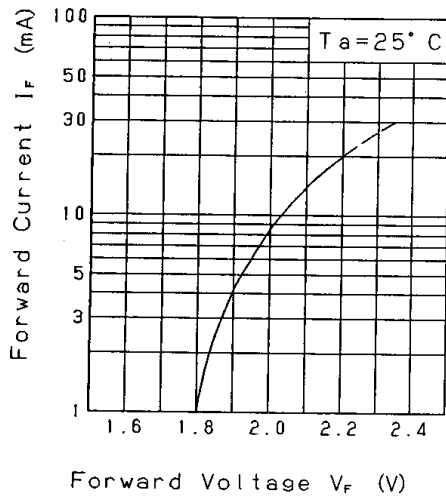
KB-II-022-018B

Approved	Checked	Designed <i>K. Adachi</i>
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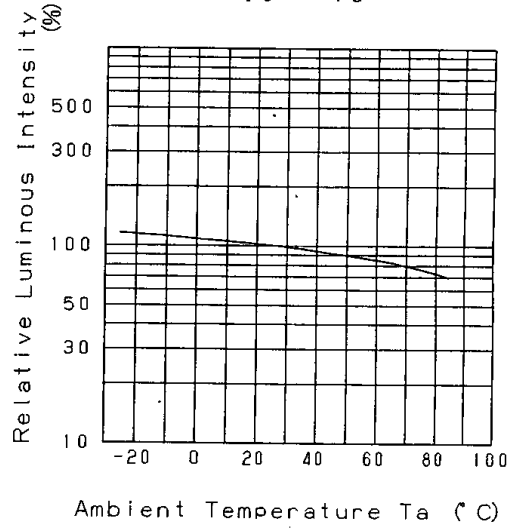
DEVELOPMENT SPECIFICATION

Tentative
P/N:LNJ310C6PRA

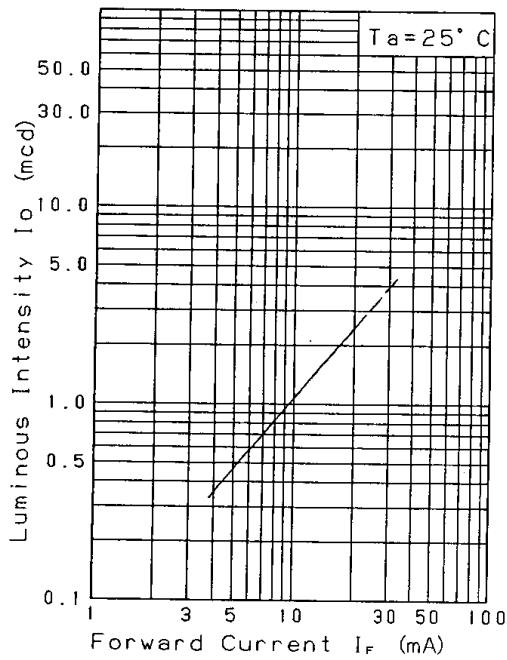
$I_F - V_F$



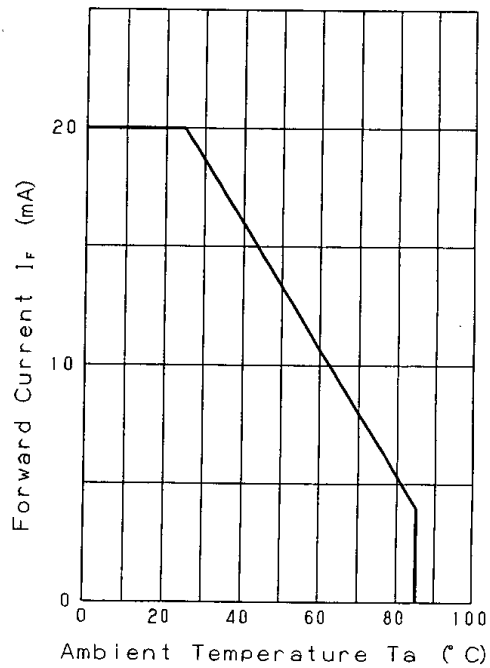
$I_o - T_a$



$I_o - I_F$



$I_F - T_a$



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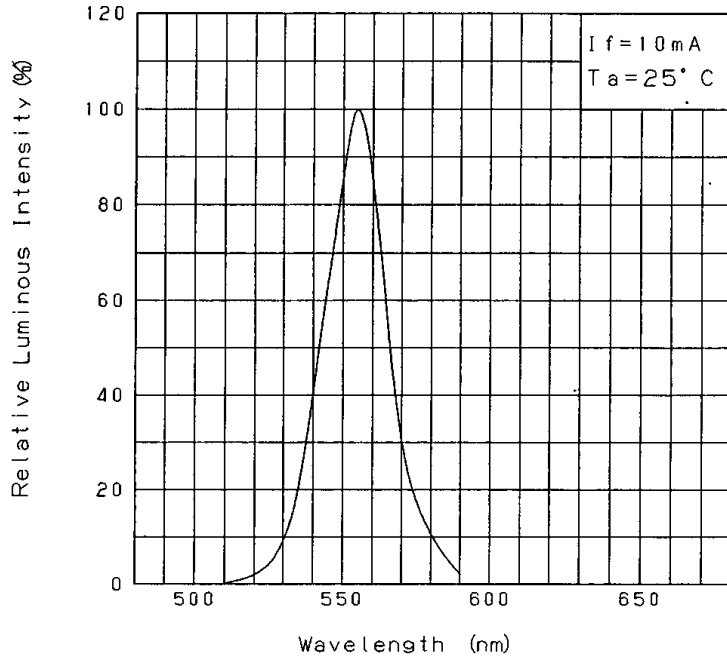
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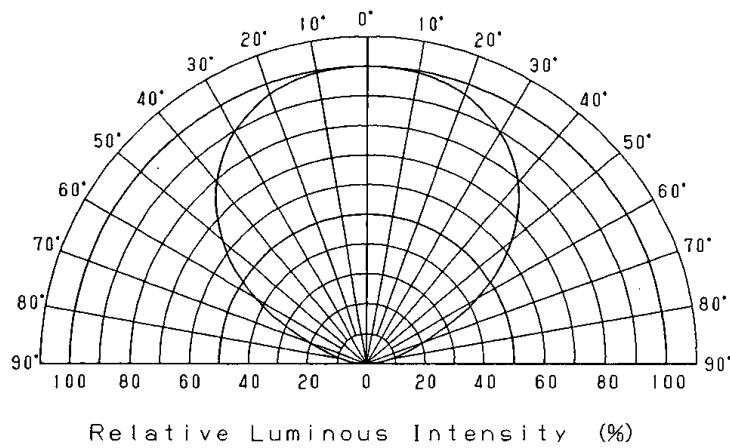
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Approved	Checked	Designed	DEVELOPMENT SPECIFICATION			
		<i>K. A. [Signature]</i>		Tentative P/N : LNJ310C6PRA		

Relative Luminous Intensity
Wavelength Characteristics



Directive Characteristics

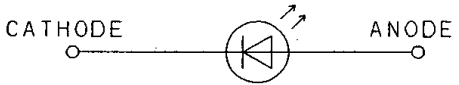
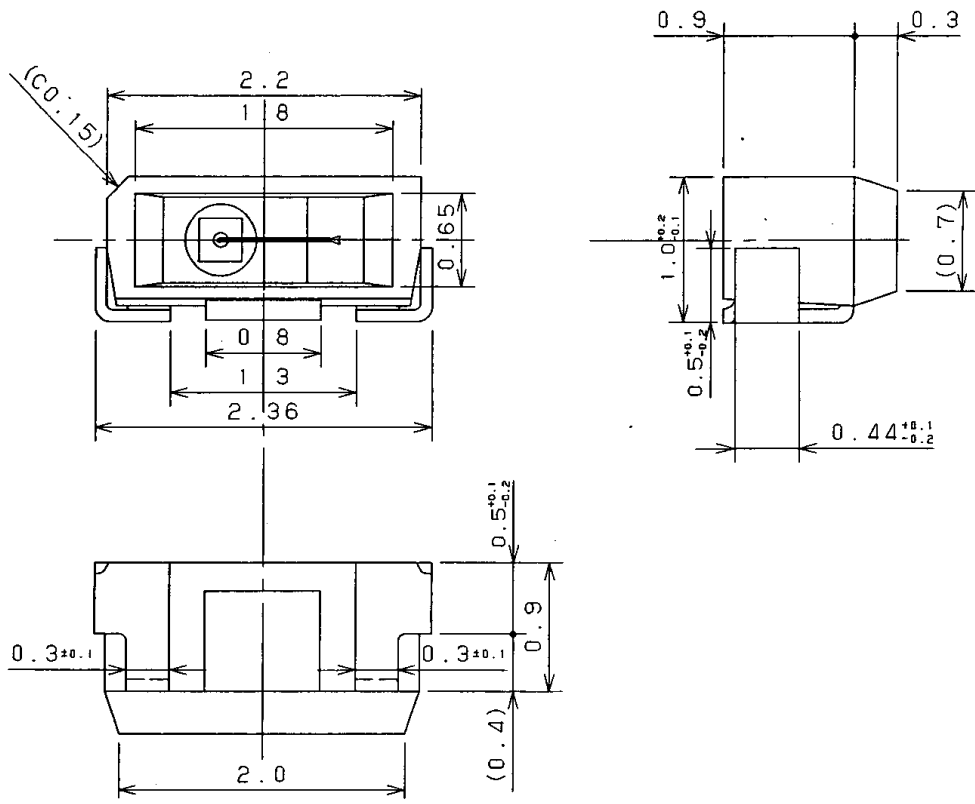


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Approved	Checked	Designed	DEVELOPMENT SPECIFICATION (OUTLINE) Tentative P/N:LNJ310C6PRA
		<i>K. Ishikawa</i>	



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

Oct. 20. 2001			
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