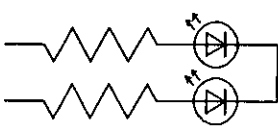
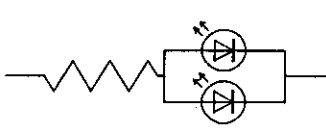
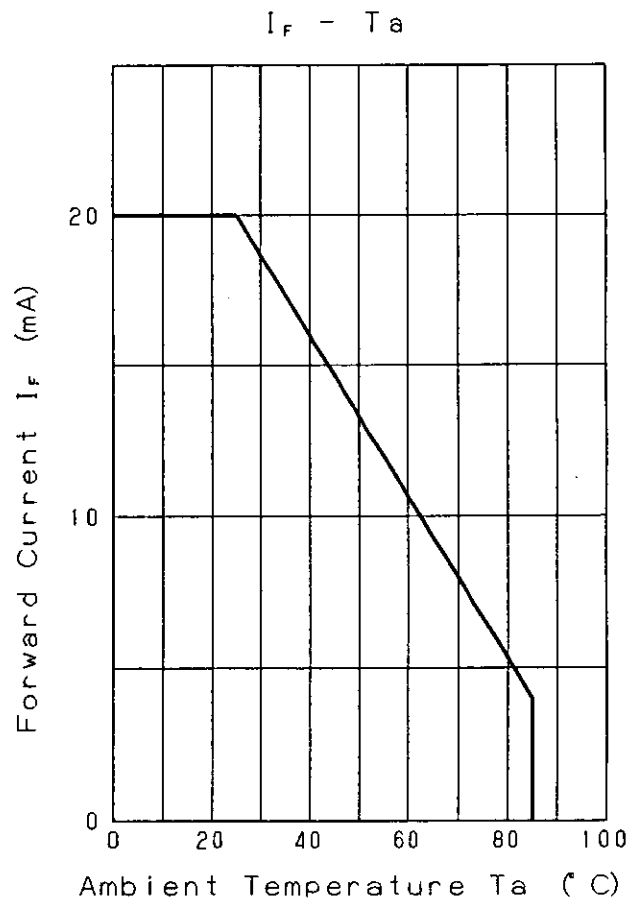
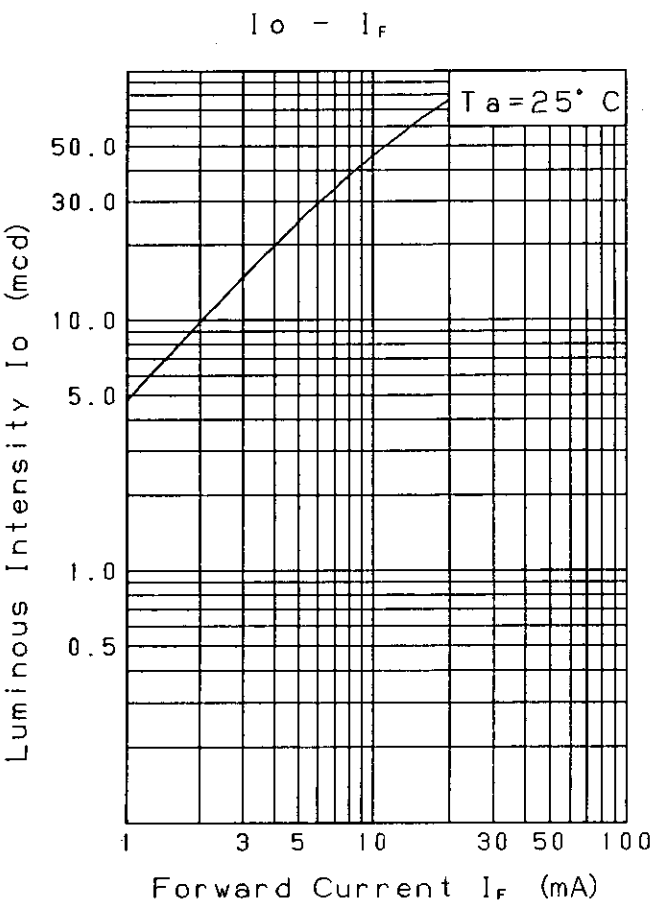
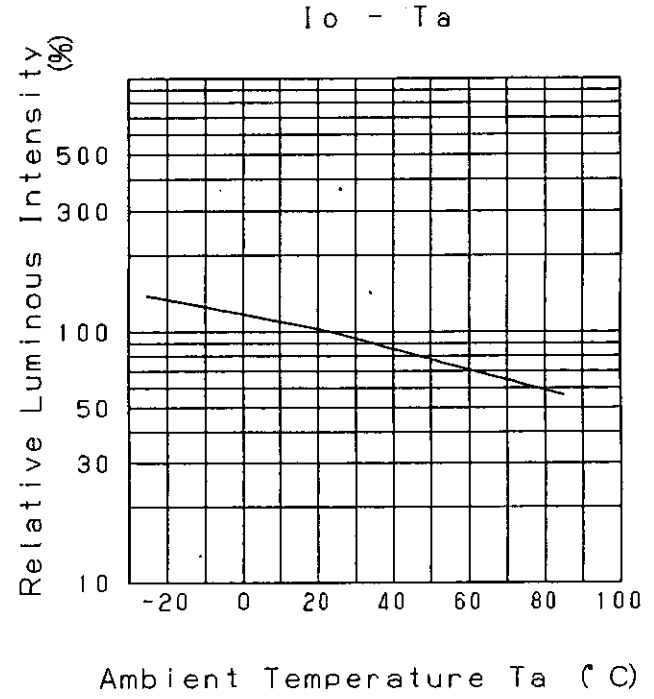
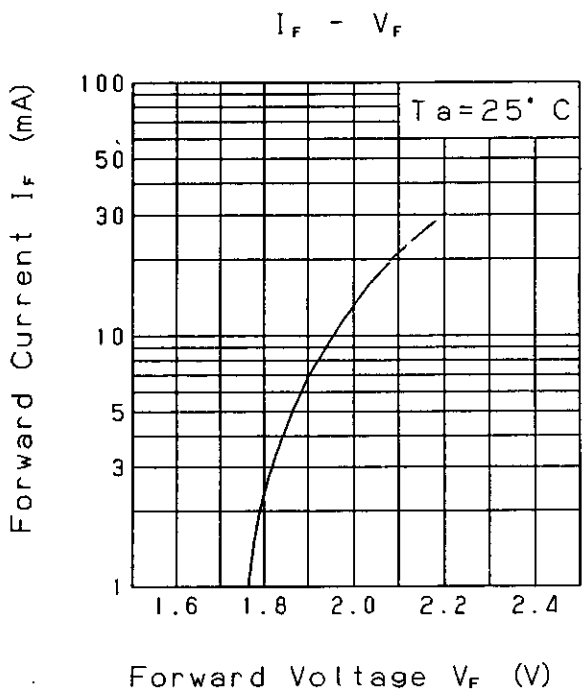


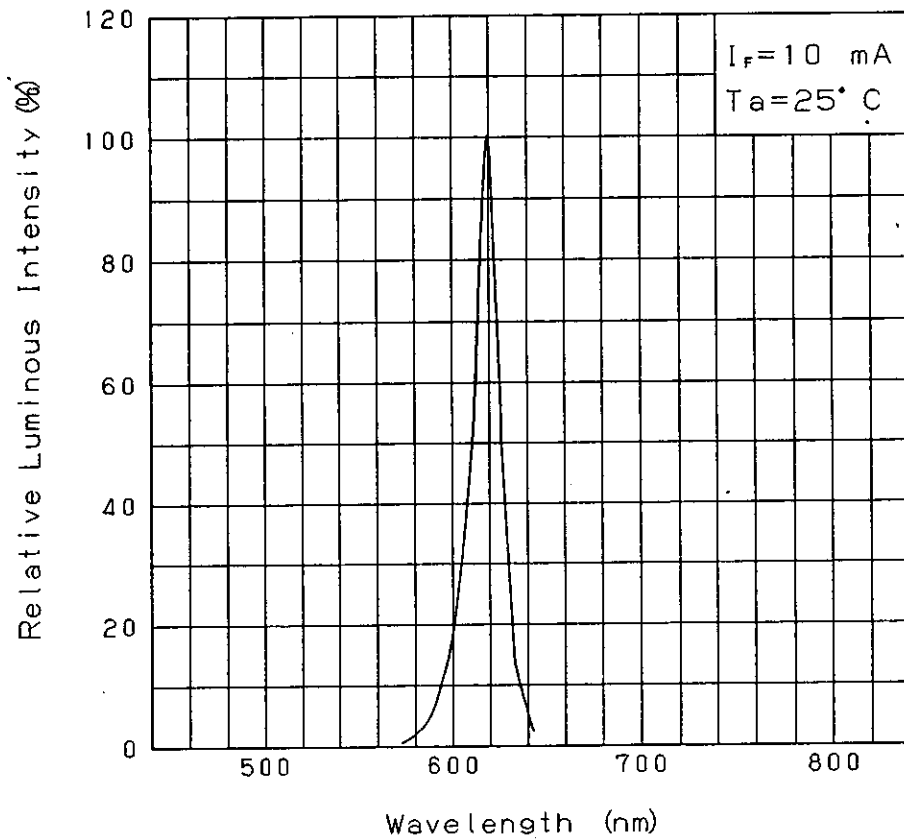
Approved	Checked	Designed	DEVELOPMENT SPECIFICATION					
		<i>K. Sakurai</i>	Tentative P/N:LNJ810C68RA					
T Y P E			Orange Emitting Diode					
APPLICATION			Indicators					
MATERIAL			InGaAlP					
OUTLINE			Attached					
ABSOLUTE MAXIMUM RATINGS			P	*1 I <sub>FP</sub>	I <sub>FDC</sub>	V <sub>R</sub>	Topr	Tstg
			55	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	1.95		2.5	V		
Reverse Leakage Current	I <sub>R</sub>	V <sub>R</sub> = 4 V			100	μA		
Luminous Intensity #2	I <sub>O</sub>	I <sub>F</sub> =10 mA DC	45	24		mcd		
Peak Emission Wavelength	λ <sub>p</sub>	I <sub>F</sub> =10 mA DC	620			nm		
Spectral Line Half Width	Δλ	I <sub>F</sub> =10 mA DC	17			nm		
<p>*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.</p> <p>*2 Measurement Tolerance is ±20%.</p>								
NOTE								
★1. Terminal:Plated with gold on copper base.								
★2. Beware of destruction by static electricity in handling the LED.								
★3. Package : Clear type.								
★4. Soldering conditions. Refer to Handling note.								
★5. Care should be taken that soldering is done within 3-days after opening the dry package and reel.								
★6. Circuit to operate LED.								
								
(A)			(B)					
<p>(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.</p>								
Oct. 20. 2001								



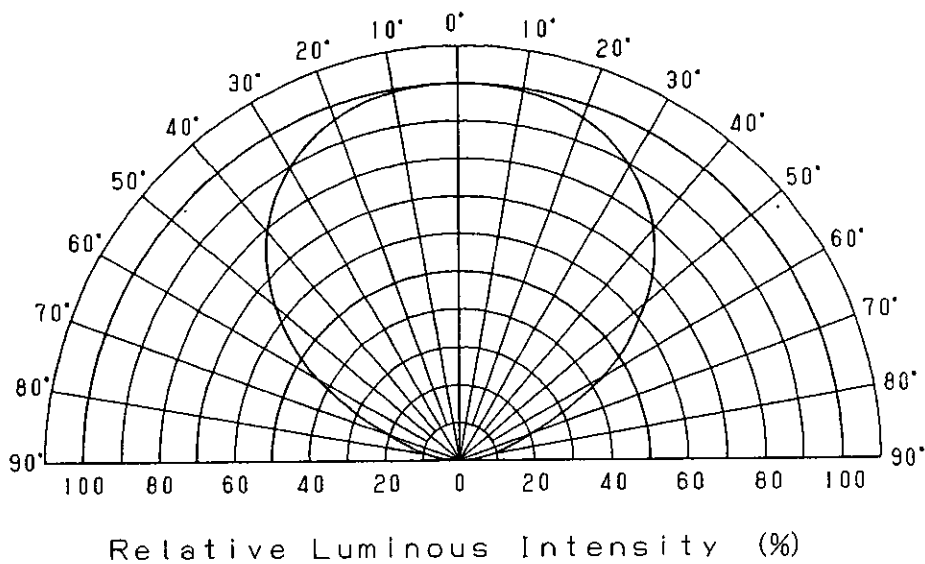
Oct. 20. 2001			
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Approved	Checked	Designed	DEVELOPMENT SPECIFICATION			
		<i>K. A. [Signature]</i>		Tentative P/N : LNJB10C68RA		

Relative Luminous Intensity  
Wavelength Characteristics



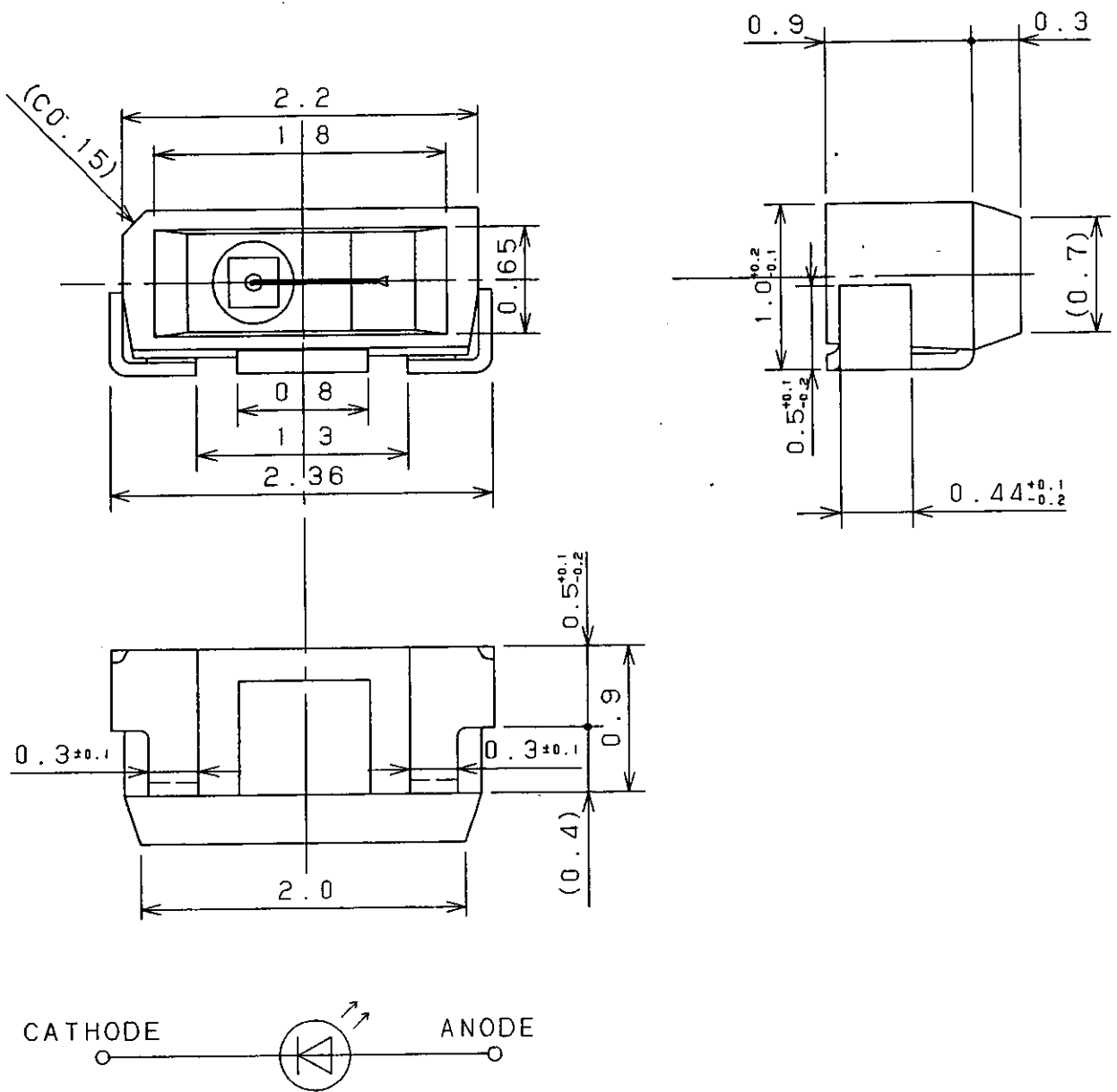
Directive Characteristics



Oct. 20. 2001

Approved	Checked	Designed <i>K. Sakurai</i>
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DEVELOPMENT SPECIFICATION  
(OUTLINE) Tentative  
P/N:LNJ810C68RA



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

Oct. 20. 2001		
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