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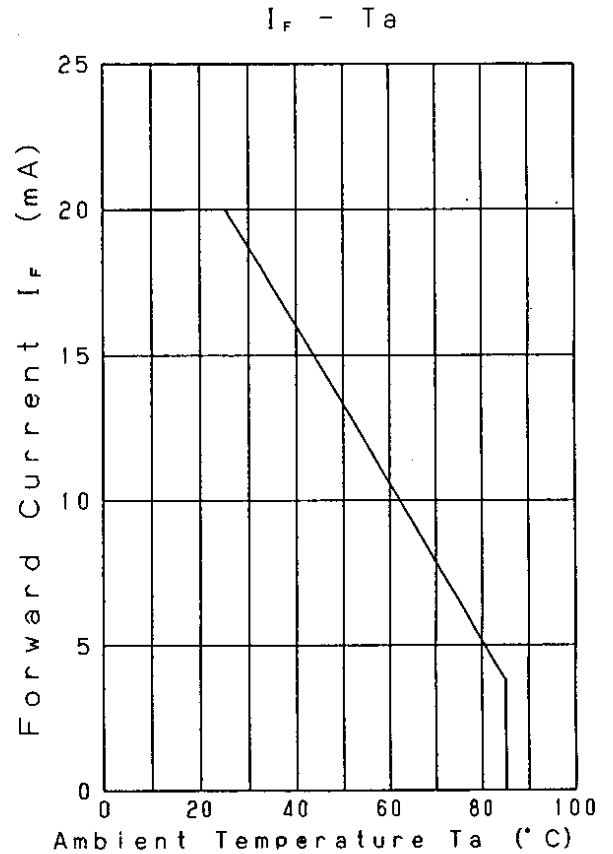
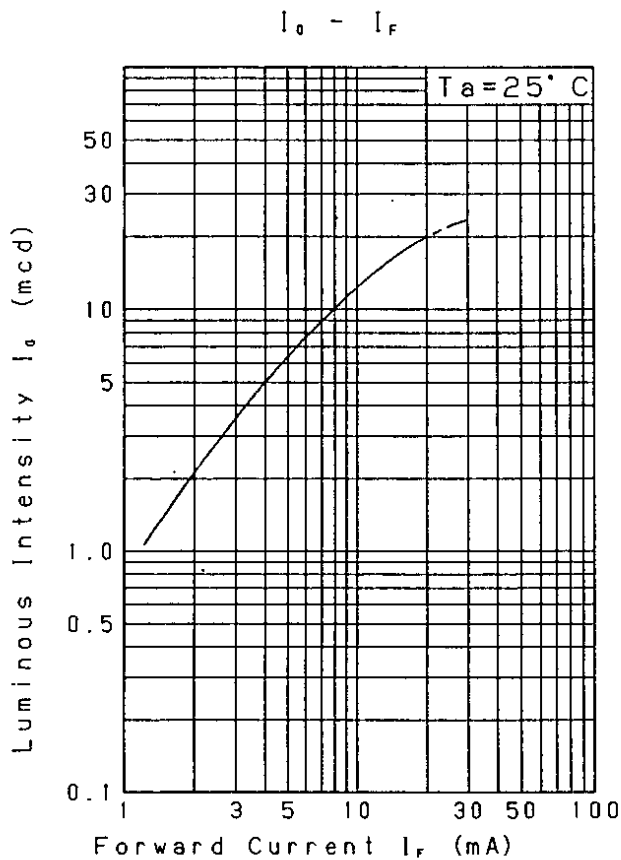
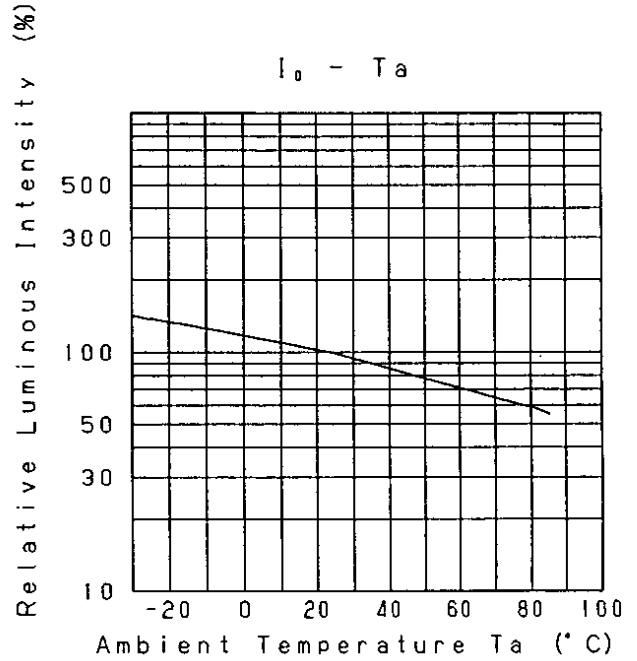
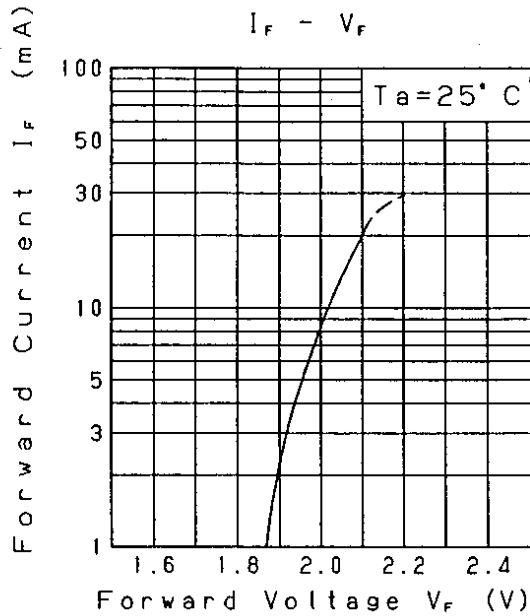
[LNJ311G83RA](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

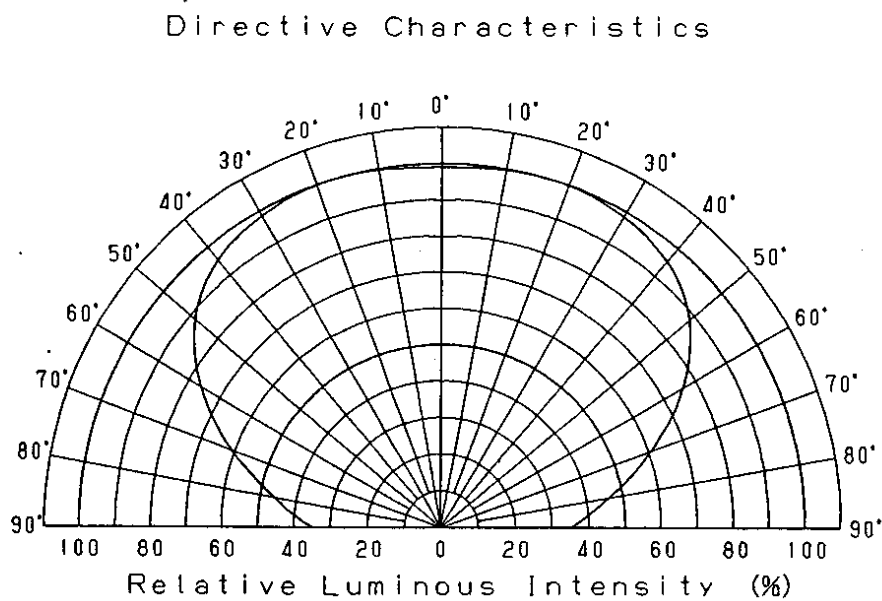
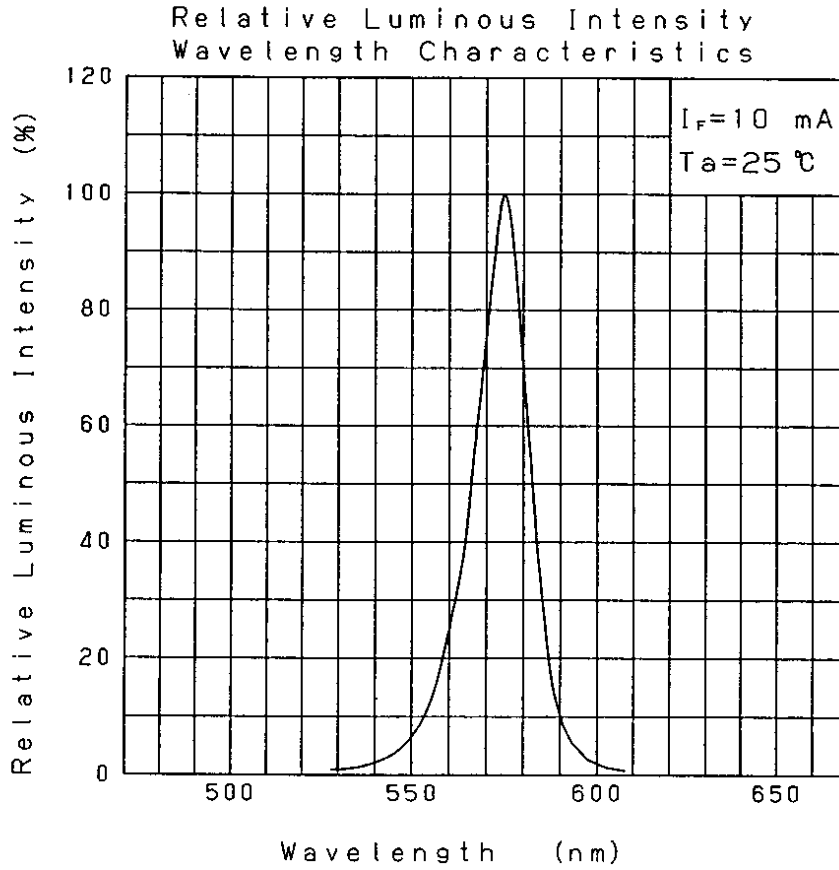
Approved	Checked	Designed	DEVELOPMENT SPECIFICATION					
		<i>T. Tabata</i>	P/N: LNJ311G83RA				TEMPORARY	
TYPE		Green Light Emitting Diode						
APPLICATION		Indicators						
MATERIAL		InGaAlP						
OUTLINE		Attached						
ABSOLUTE MAXIMUM RATINGS		P	*1 I <sub>FP</sub>	I <sub>FDC</sub>	V <sub>R</sub>	Topr	Tstg	
		55	60	20	4	-30~+85	-40~+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		2.5	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	12	6.4		mcd		
Peak Emission Wavelength	λ <sub>p</sub>	I <sub>F</sub> = 10 mA DC	575			nm		
Spectral Line Half Width	Δλ	I <sub>F</sub> = 10 mA DC	15			nm		
<p>*1. The Condition of I<sub>FP</sub> is duty 10 %, Pulse width 1 ms</p> <p>*2. Tolerance of luminous intensity: ±20%.</p> <p>NOTE</p> <p>★1. Please contact the Panasonic local office if you design at low current (below 1mA DC) or pulse current operation and have any questions.</p> <p>★2. Soldering conditions...Refer to Handling note.</p> <p>★3. Compositions of the lead ... Cu/Ni/Au plating</p> <p>★4. Beware of destruction by static electricity in handling the LED.</p> <p>★5. Circuit to operate LED.</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.		
Oct. 18. 2001								

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		T. Takato			



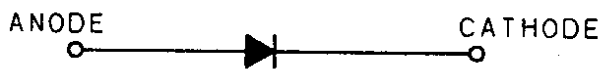
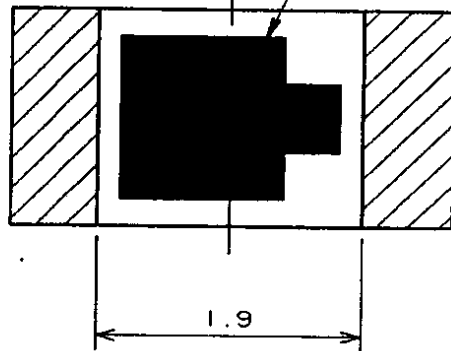
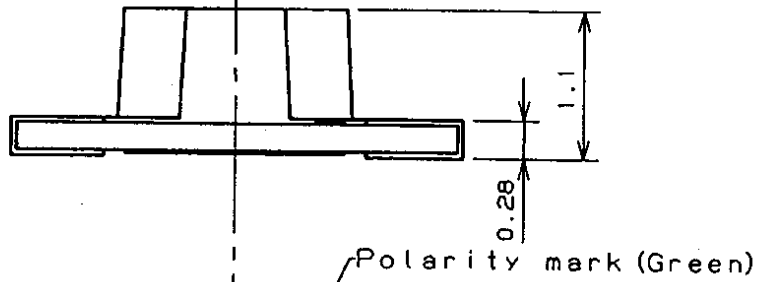
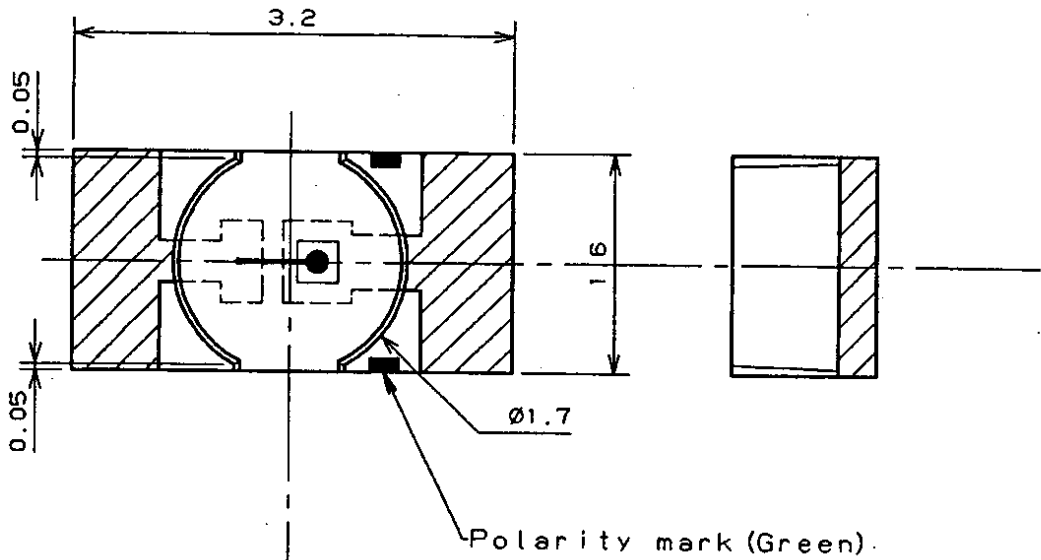
Oct.18.2001			
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			P/N: LNJ311G83RA	



Oct.18.2001		
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Approved	Checked	Designed	DEVELOPMENT SPECIFICATION (OUTLINE)	
<i>A. Yamano</i>	<i>T. Shobu</i>	<i>T. Tabata</i>		



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

Jan. 14, 1999