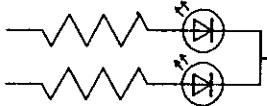
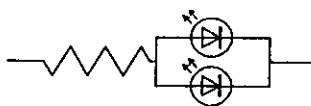


Approved	Checked	Designed	DEVELOPMENT SPECIFICATION					
		T. Takata	P/N: LNJ318C83RA1				TEMPORARY	
T Y P E			Green Light Emitting Diode					
APPLICATION			Indicators					
MATERIAL			InGaAlP					
OUTLINE			Attached					
ABSOLUTE MAXIMUM RATINGS			P	*1 I <sub>FP</sub>	I <sub>FDC</sub>	V <sub>R</sub>	Topr	Tstg
			55	60	20	4	-30~+85	-40~+100
			mW	mA	mA	V	°C	°C
CONDITION			Ta=25±3°C					
Test Specification								
I t e m	Symbol	C o n d i t i o n	Typ	Limit		Unit		
				Min	Max			
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =10mA	2.03		2.5	V		
Reverse Leakage Current	I <sub>R</sub>	V <sub>R</sub> = 4V			10	μA		
Luminous Intensity *2	I <sub>O</sub>	I <sub>F</sub> =10mA DC	30	16		mcd		
Peak Emission Wavelength	λ <sub>p</sub>	I <sub>F</sub> =10mA DC	575			nm		
Spectral Line Half Width	Δλ	I <sub>F</sub> =10mA DC	15			nm		
<p>*1. The Condition of I<sub>FP</sub> is duty 10%, Pulse width 1ms</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. Package...Clear type.</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.			
Nov. 7. 2001								

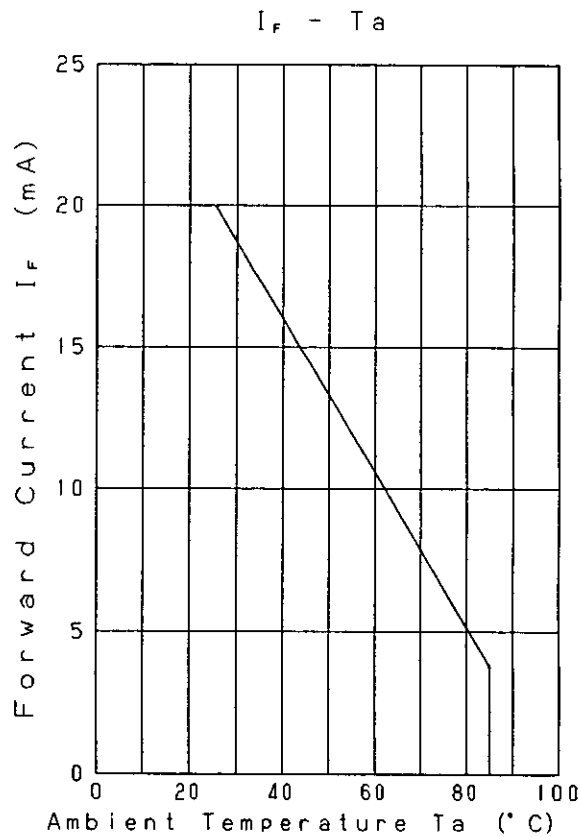
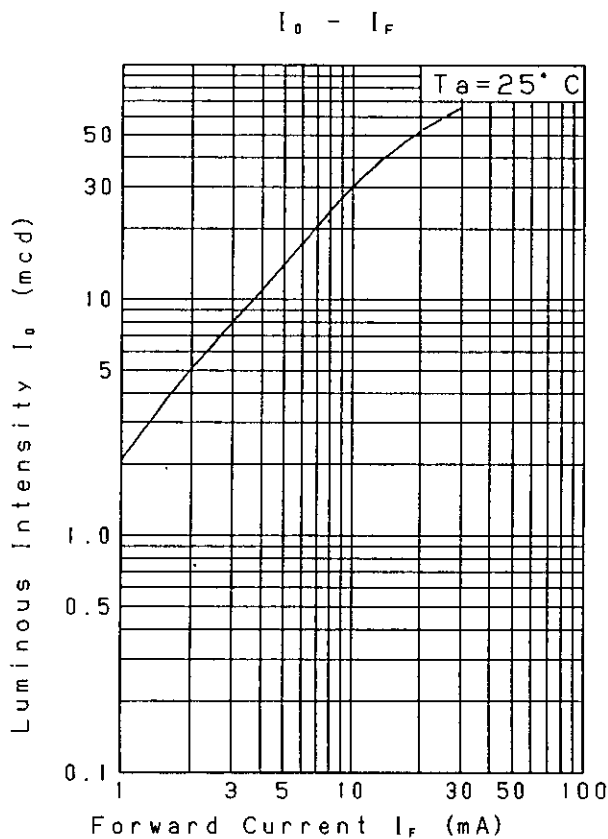
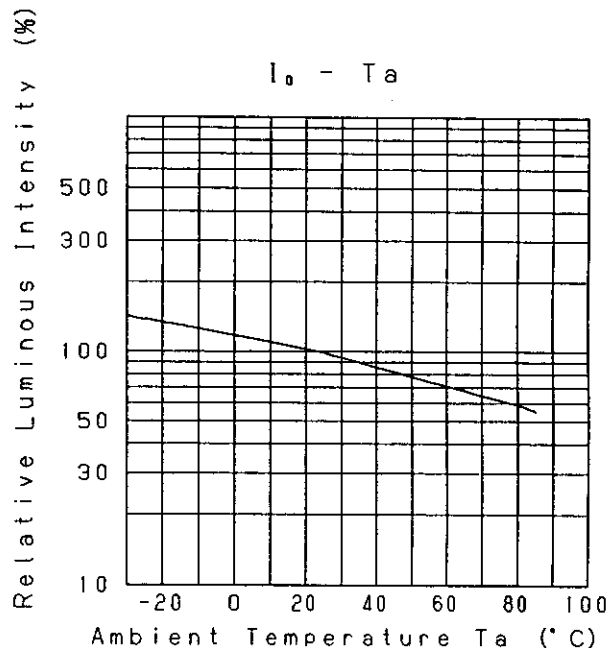
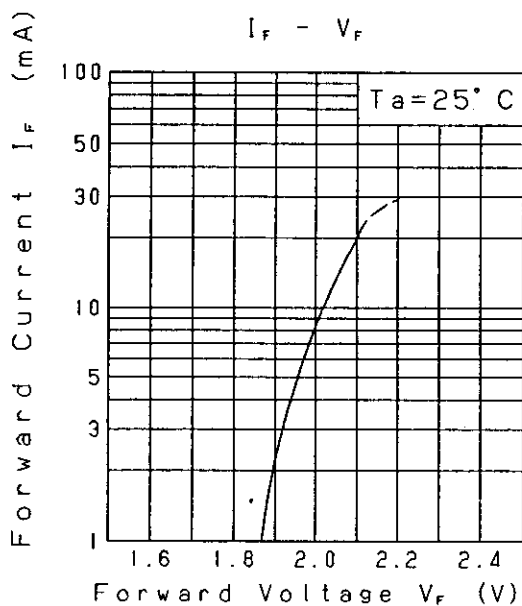
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DEVELOPMENT SPECIFICATION

T. Tabata

P/N: LNJ318C83RA1

TEMPORARY



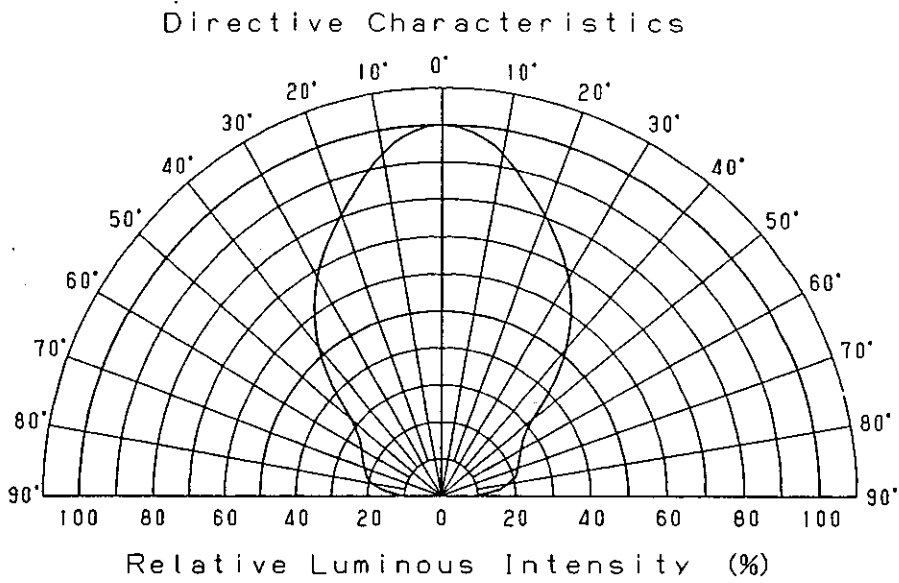
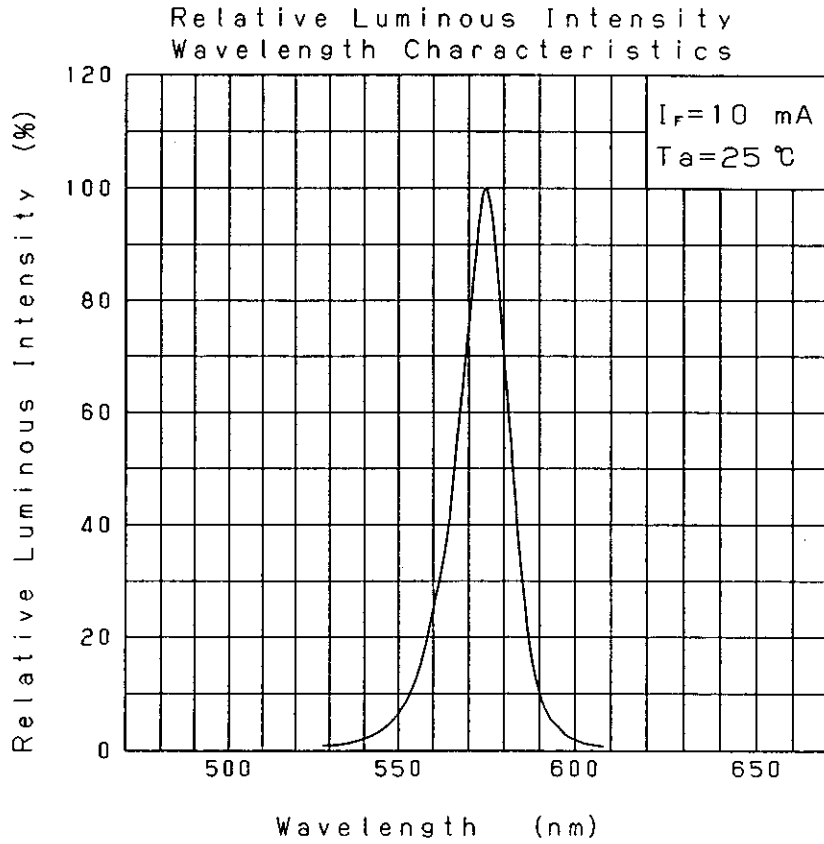
Nov. 7. 2001

Approved	Checked	Designed
		<i>T. Tabata</i>

DEVELOPMENT SPECIFICATION

P/N: LNJ318C83RA1

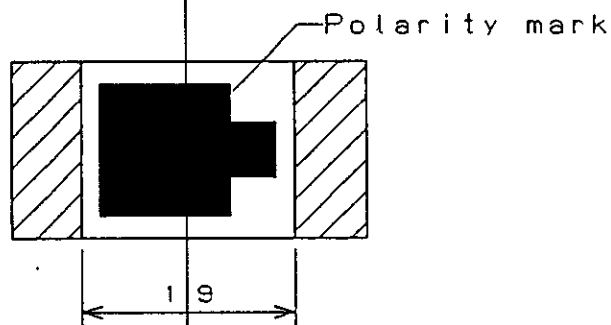
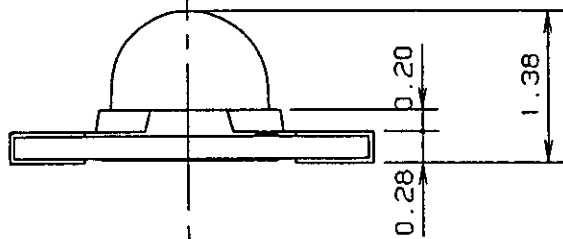
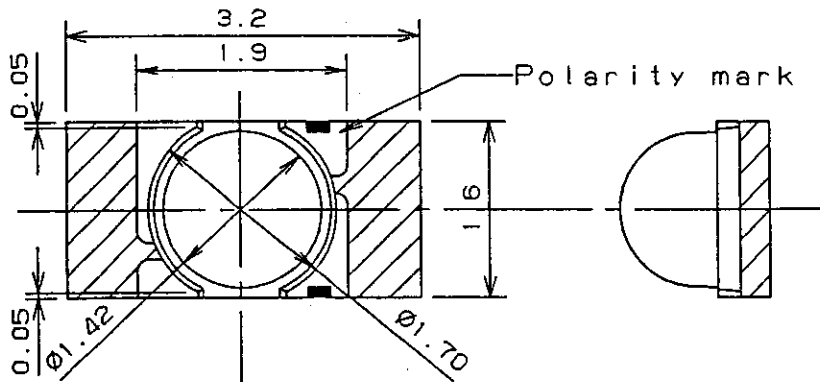
TEMPORARY



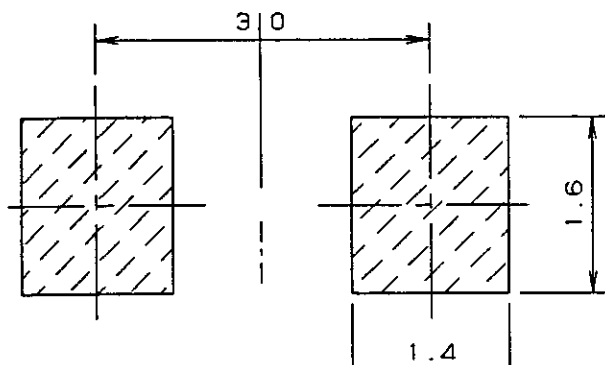
Nov. 7, 2001

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION (OUTLINE)	TEMPORARY
		T. Tabata		

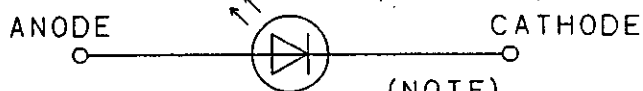
Outline



Recommended Land Layout



Polarity



(NOTE)

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

Nov. 7. 2001			
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