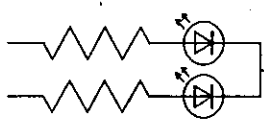
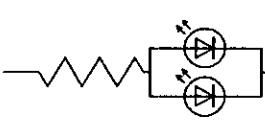
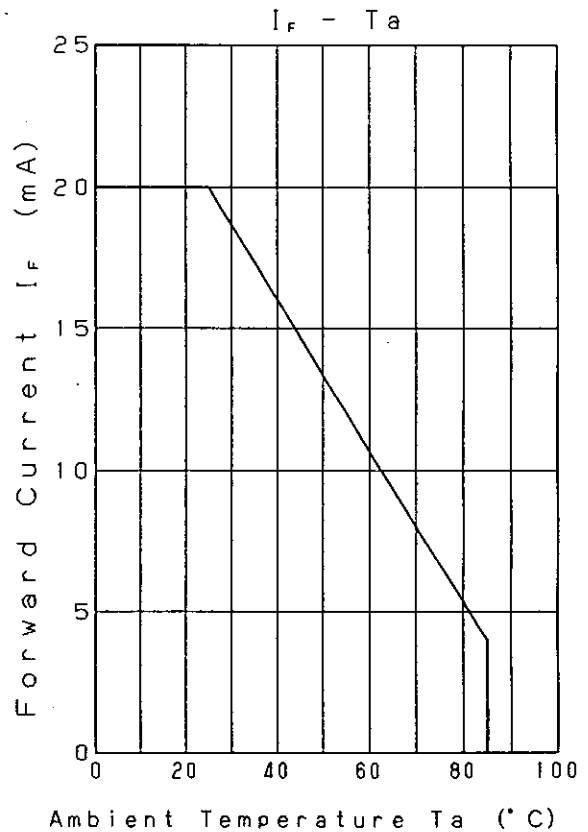
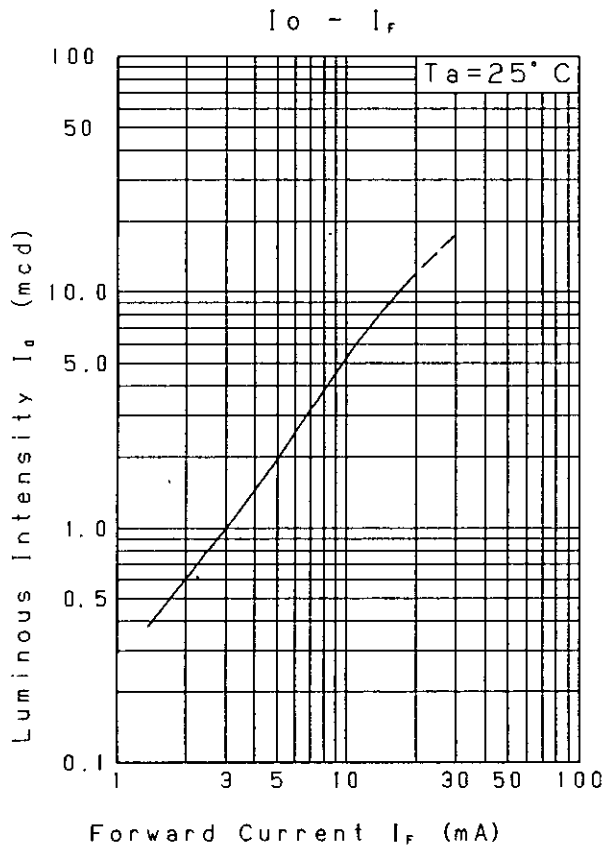
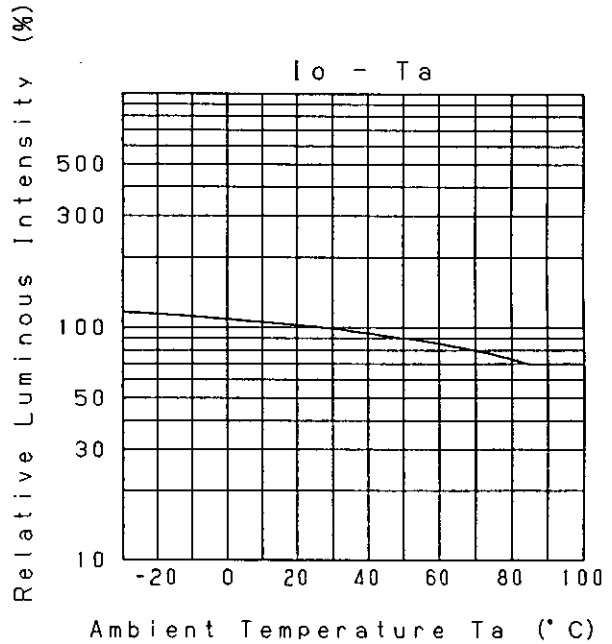
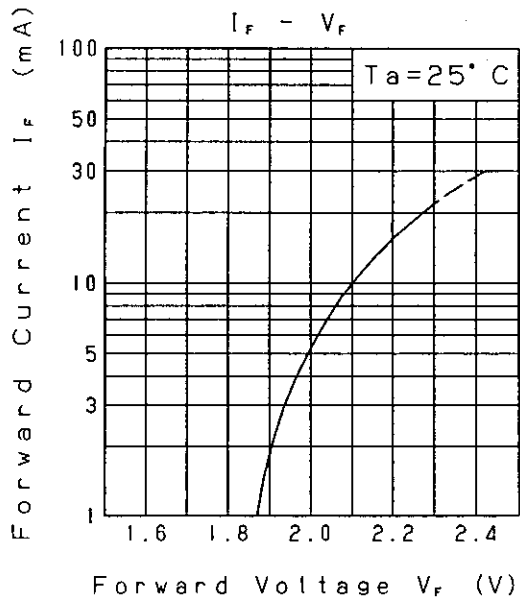


Approved	Checked	Designed	DEVELOPMENT SPECIFICATION				TEMPORARY	
		T. Takata	P/N: LNJ318C84RA1					
TYPE			Green Light Emitting Diode					
APPLICATION			Indicators					
MATERIAL			GaP					
OUTLINE			Attached					
ABSOLUTE MAXIMUM RATINGS			P	#1 I _{FP}	I _{FDC}	V _R	Topr	Tsig
			60	60	20	4	-30~+85	-40~+100
			mW	mA	mA	V	°C	°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	2.1		2.6	V		
Reverse Leakage Current	I _R	V _R = 4 V			10	μA		
Luminous Intensity #2	I _O	I _F = 10 mA DC	5.2	2.8		mcd		
Peak Emission Wavelength	λ _p	I _F = 10 mA DC	560			nm		
Spectral Line Half Width	Δλ	I _F = 10 mA DC	25			nm		
<p>#1. The Condition of I_{FP} 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. 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.		
Nov. 7. 2001								

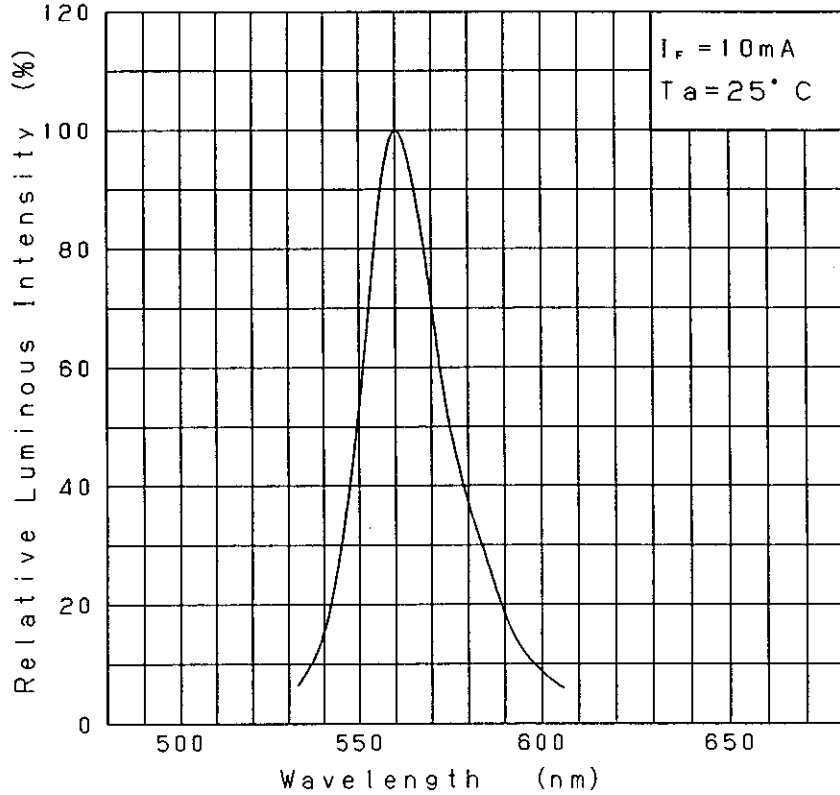
Approved	Checked	Designed	DEVELOPMENT SPECIFICATION	TEMPORARY
		T. Takata		



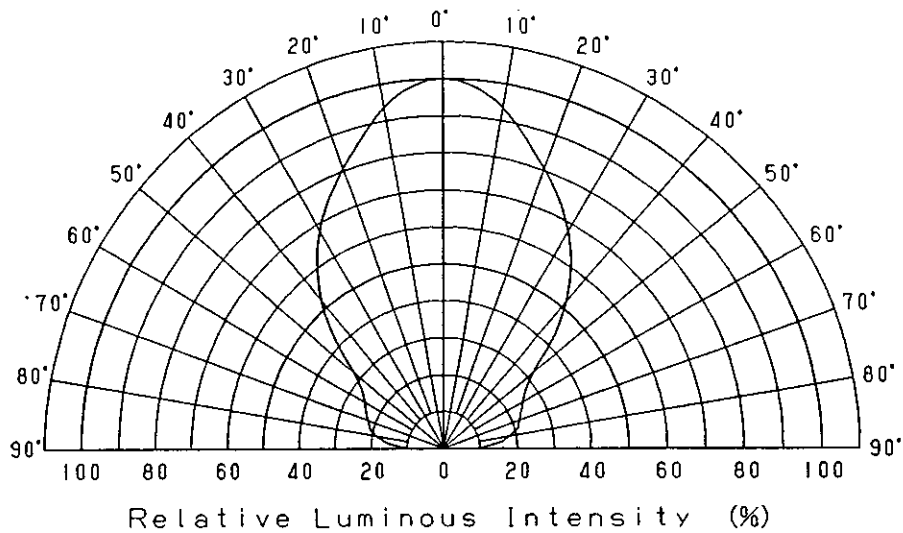
Nov. 7. 2001			
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Approved	Checked	Designed	DEVELOPMENT SPECIFICATION	TEMPORARY
		T. Takata		

Relative Luminous Intensity
Wavelength Characteristics



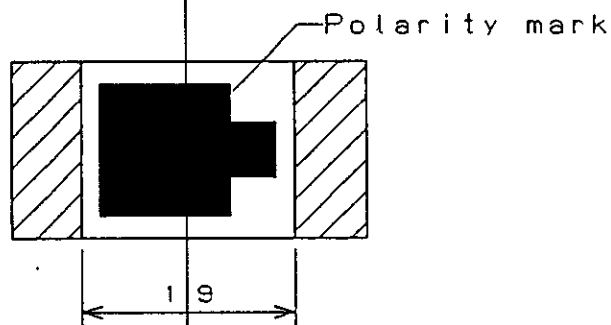
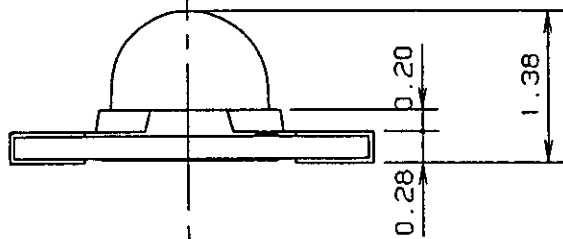
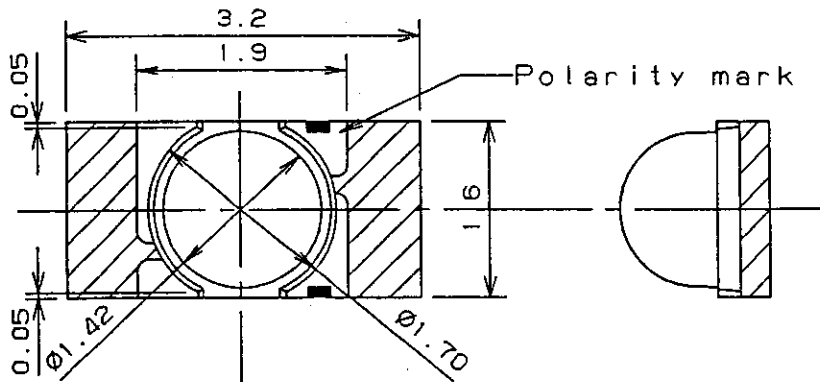
Directive Characteristics



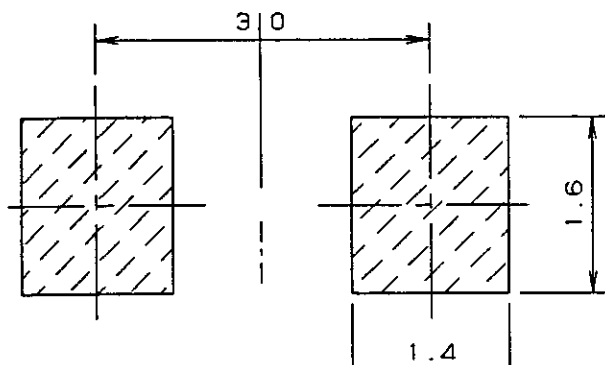
Nov. 7. 2001		
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Approved	Checked	Designed	DEVELOPMENT SPECIFICATION (OUTLINE)	TEMPORARY
		T. Tabata		

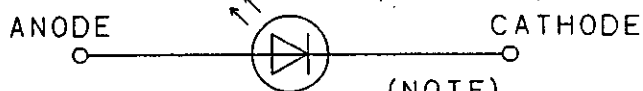
Outline



Recommended Land Layout



Polarity



(NOTE)

1. Unit: mm
2. Tolerance unless specified is ± 0.15 .
3. indicate Au terminal.

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