

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION	<div style="border: 1px solid black; padding: 5px; display: inline-block;">TEMPORARY</div>		
		T. Takata				

T Y P E	Green Light Emitting Diode					
A P P L I C A T I O N	Indicators					
M A T E R I A L	GaP					
O U T L I N E	Attached					
A B S O L U T E M A X I M U M R A T I N G S	P	*1 I <sub>FP</sub>	I <sub>FDC</sub>	V <sub>R</sub>	Topr	Tstg
	60	60	20	4	-30~+85	-40~+100
	mW	mA	mA	V	°C	°C
C O N D I T I O N	Ta=25±3°C					

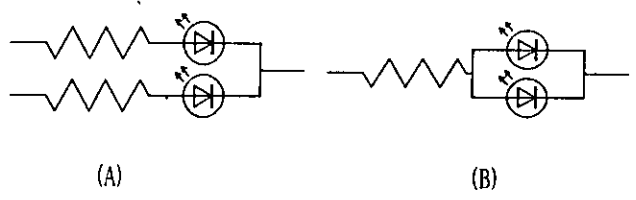
Test Specification

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		2.6	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	1.7	0.9		mcd
Peak Emission Wavelength	λ <sub>p</sub>	I <sub>F</sub> =10mA DC	555			nm
Spectral Line Half Width	Δλ	I <sub>F</sub> =10mA DC	20			nm

- #1. The Condition of I<sub>FP</sub> is duty 10%, Pulse width 1ms
- #2. Tolerance of luminous intensity: ±20%.

NOTE

- ★1. Please contact the Panasonic local office if you design at low current (below 1mA DC) or pulse current operation and have any questions.
- ★2. Soldering conditions...Refer to Handling note.
- ★3. Compositions of the lead ... Cu/Ni/Au plating
- ★4. Circuit to operate LED.



(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.

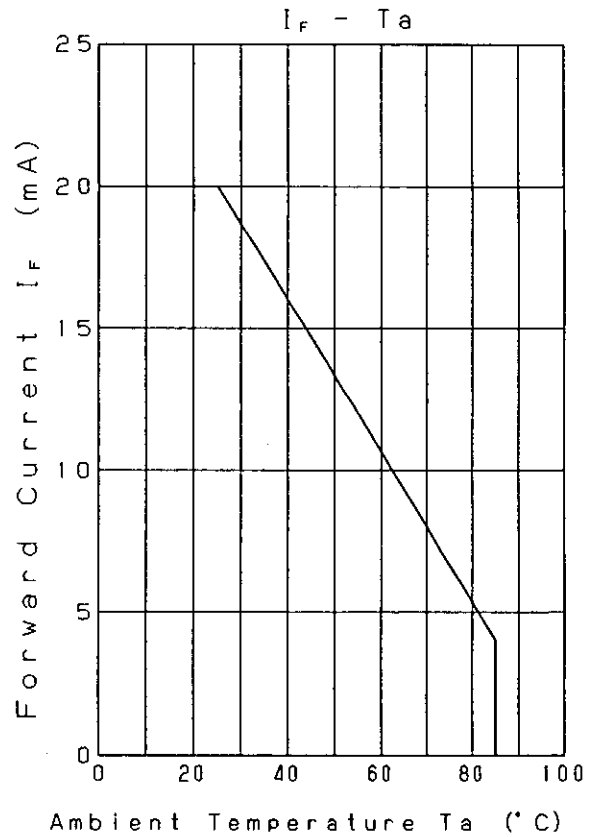
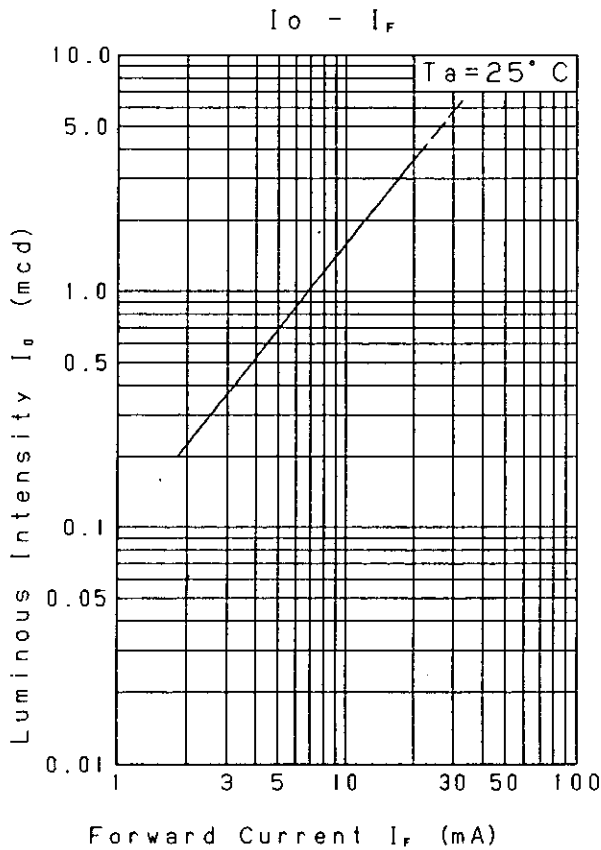
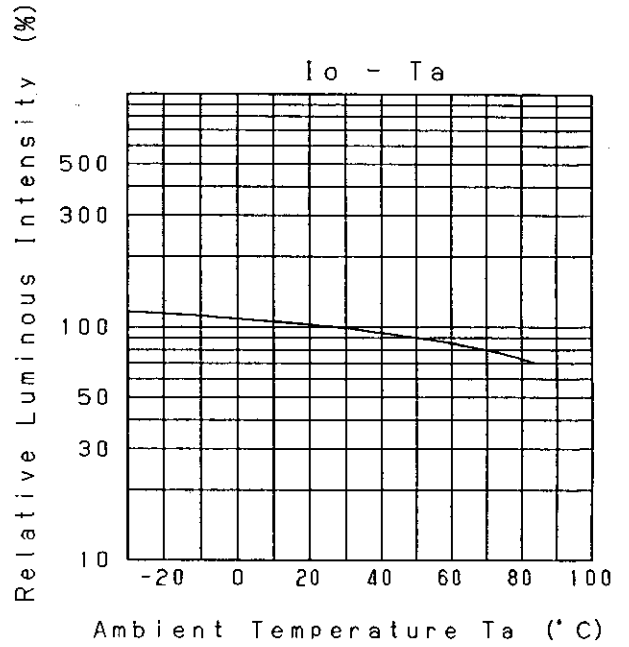
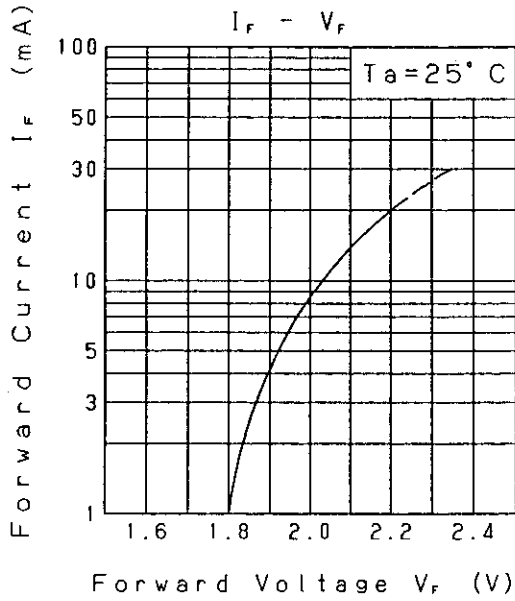
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DEVELOPMENT SPECIFICATION

P/N: LNJ318C8PRA1

TEMPORARY



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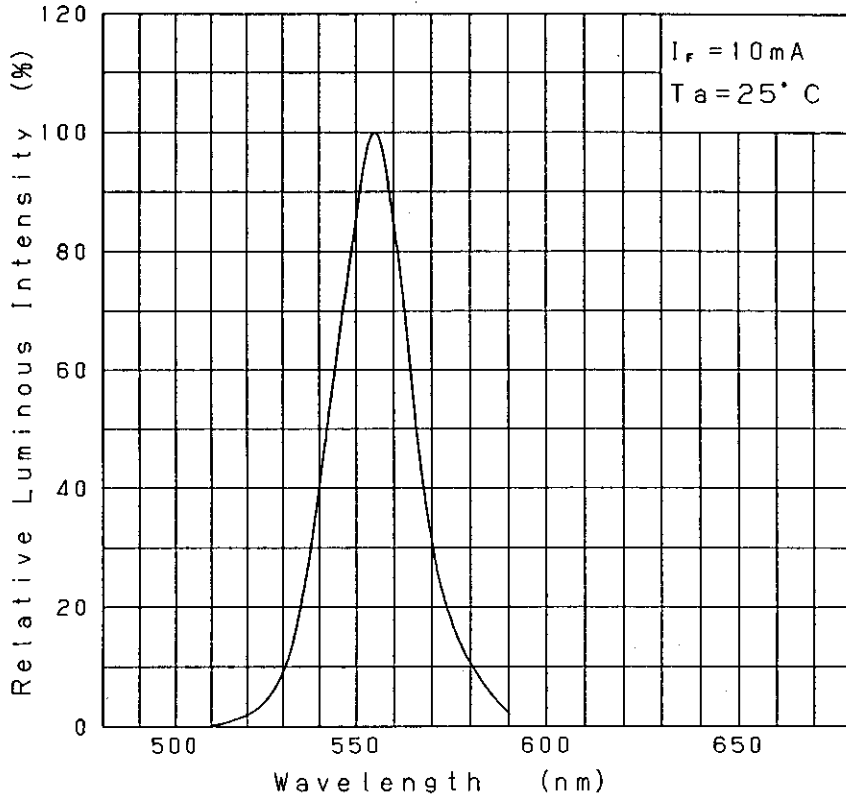
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DEVELOPMENT SPECIFICATION

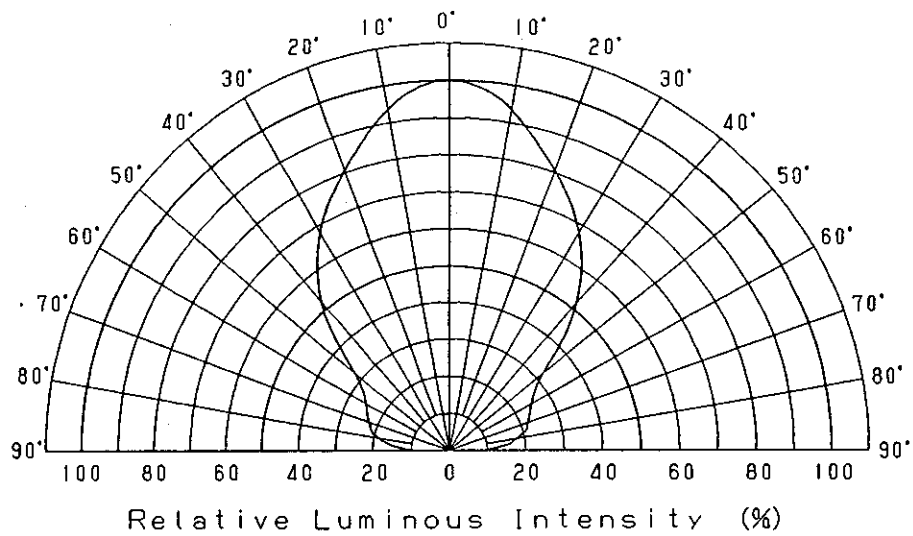
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TEMPORARY

Relative Luminous Intensity  
Wavelength Characteristics



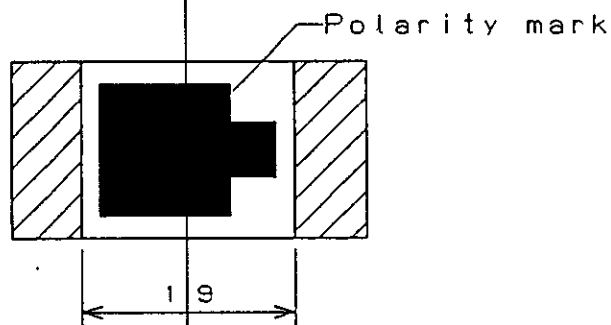
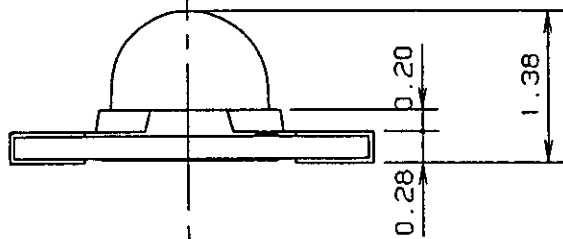
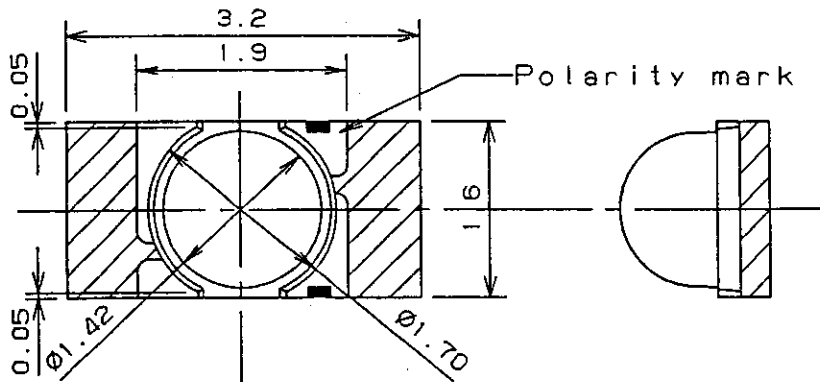
Directive Characteristics



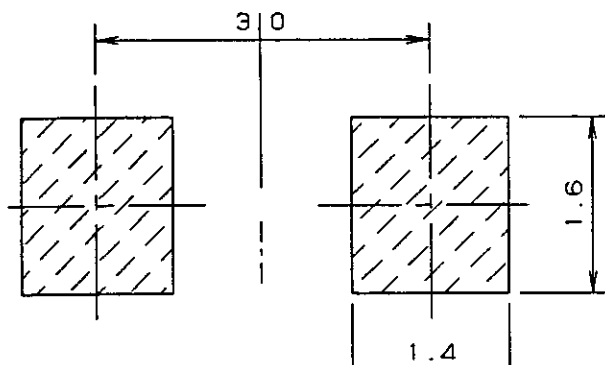
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		T. Tabata		

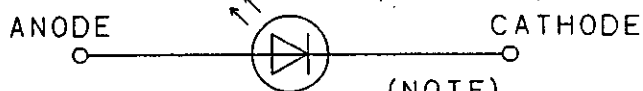
Outline



Recommended Land Layout



Polarity



(NOTE)

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

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