

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION	<table border="1"> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="3" style="text-align: center;">TEMPORARY</td> </tr> </table>						TEMPORARY		
TEMPORARY												
		T. Takata	P/N: LNJ418C84RA1									

T Y P E	Amber Light Emitting Diode					
A P P L I C A T I O N	Indicators					
M A T E R I A L	InGaAlP					
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	*I _{FP}	I _{FDC}	V _R	Topr	Tstg
	55	60	20	4	-30~+85	-40~+100
	mW	mA	mA	V	℃	℃
C O N D I T I O N	Ta=25±3℃					

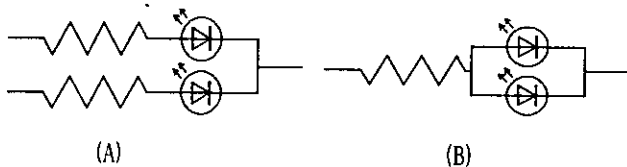
Test Specification

I t e m	Symbol	C o n d i t i o n	Typ	Limit		Unit
				Min	Max	
Forward Voltage	V _F	I _F =10mA	2.0		2.5	V
Reverse Leakage Current	I _R	V _R = 4V			100	μA
Luminous Intensity	I _O	I _F =10mA DC	42.5	22.7		mcd
Peak Emission Wavelength	λ _p	I _F =10mA DC	595			nm
Spectral Line Half Width	Δλ	I _F =10mA DC	15			nm

- #1. The Condition of I_{FP} is duty 10%, Pulse width 1 ms
- #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. Beware of destruction by static electricity in handling the LED.
- ★5. Circuit to operate LED.



- (A) Recommended circuit.
- (B) The difference of brightness between the LED could be found due to the V_F characteristics of each LED.

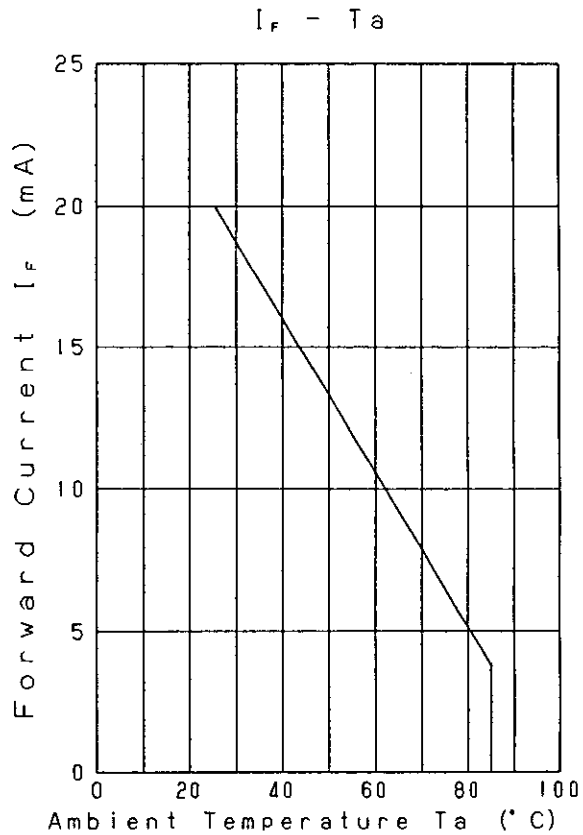
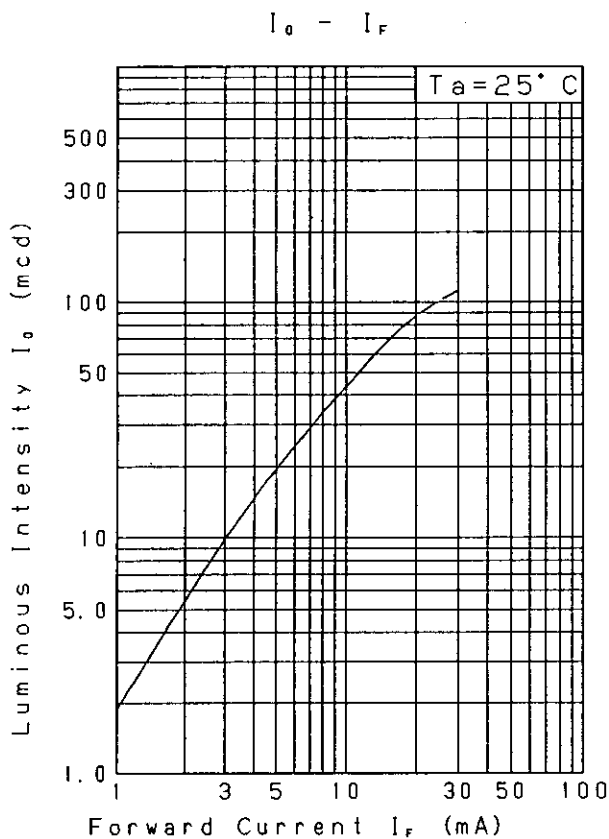
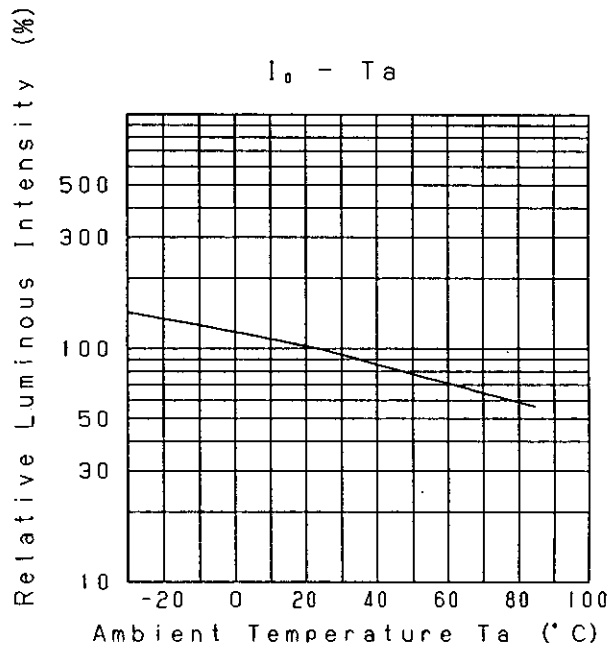
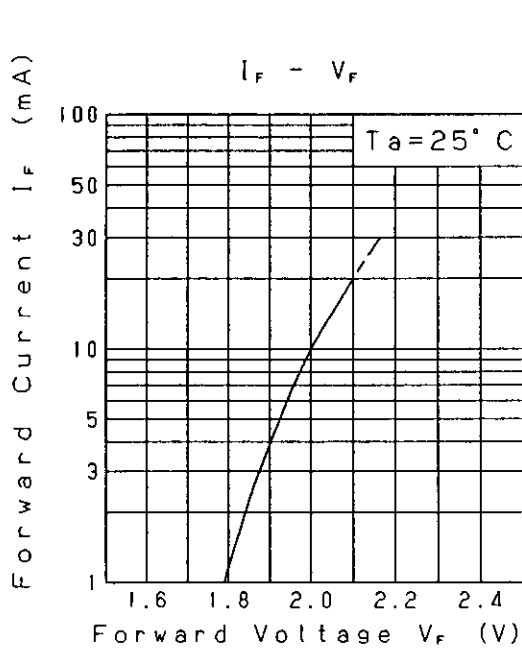
Nov. 7. 2001			

Approved	Checked	Designed
		T. Tabata

DEVELOPMENT SPECIFICATION

P/N: LNJ418C84RA1

TEMPORARY



Nov. 7, 2001

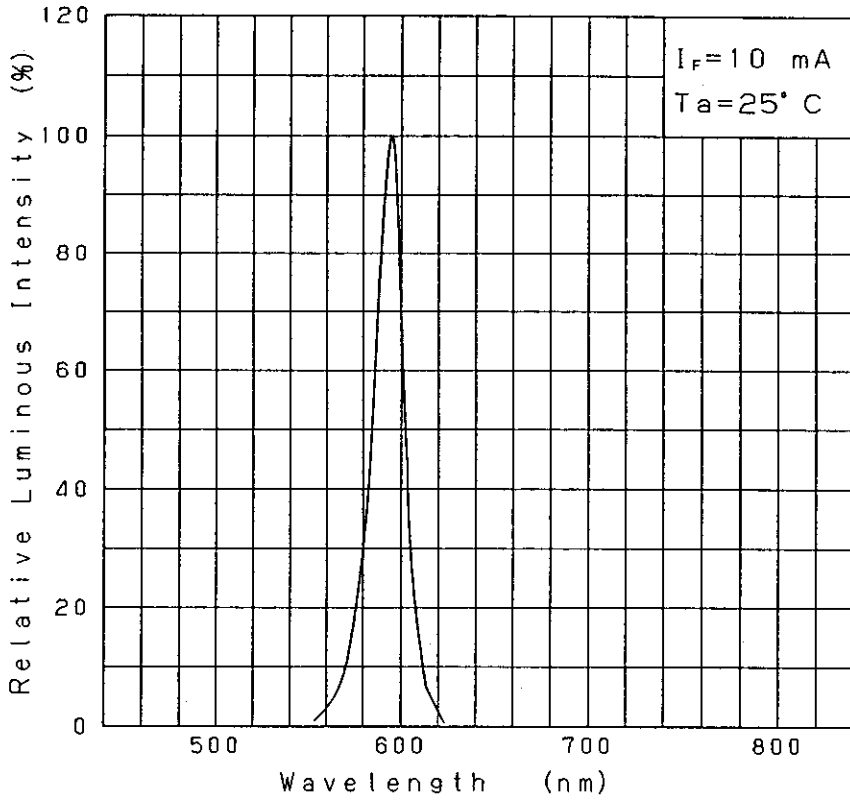
Approved	Checked	Designed
		T. Tabata

DEVELOPMENT SPECIFICATION

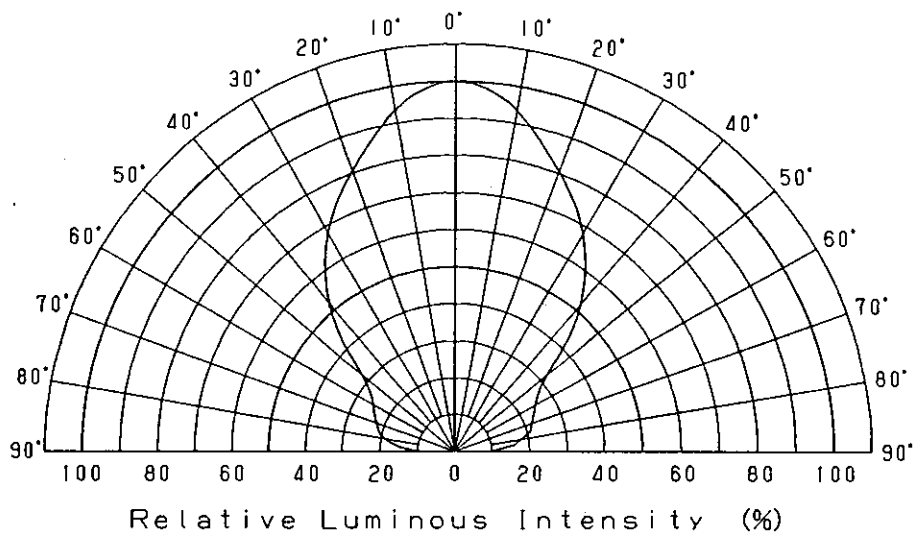
P/N: LN418C84RA1

TEMPORARY

Relative Luminous Intensity
Wavelength Characteristics



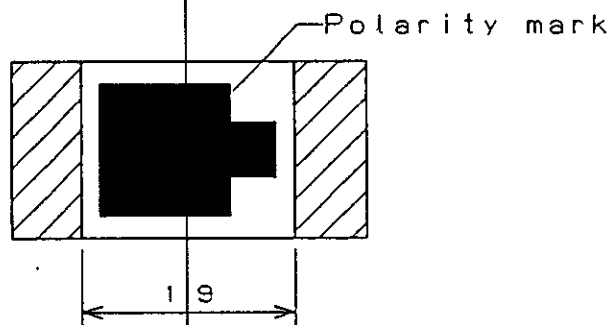
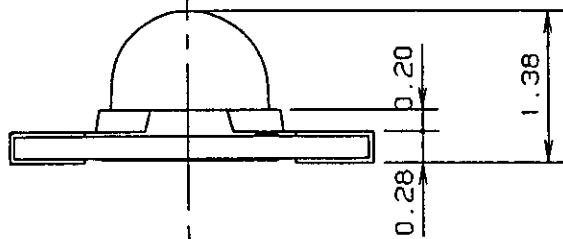
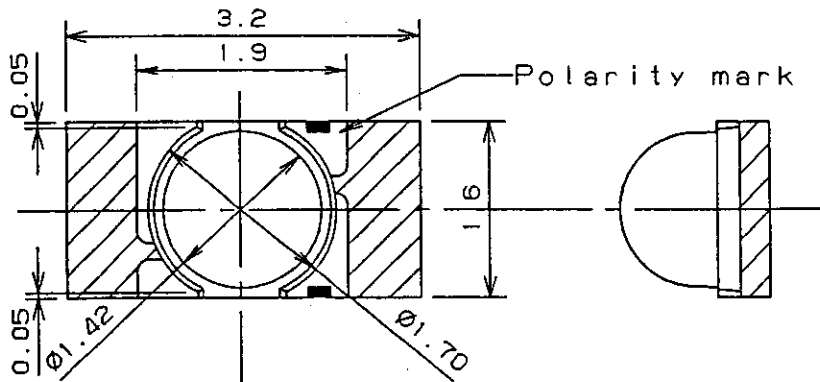
Directive Characteristics



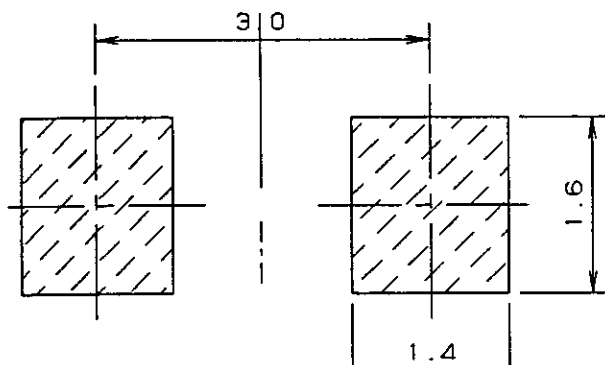
Nov. 7, 2001

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

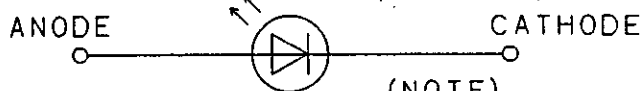
Outline



Recommended Land Layout



Polarity



(NOTE)

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

Nov. 7. 2001			
--------------	--	--	--