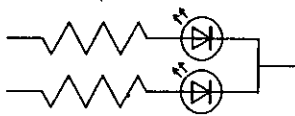
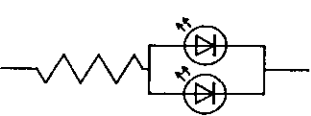
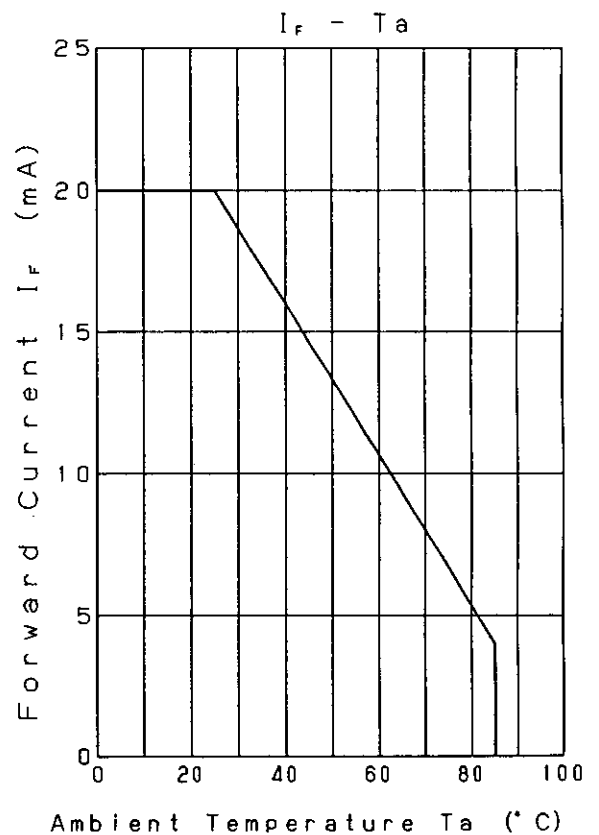
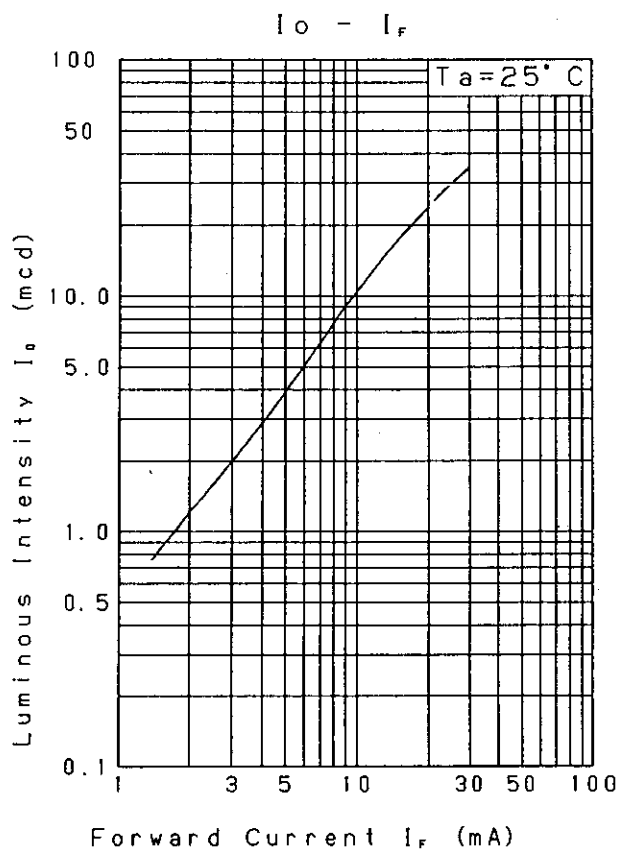
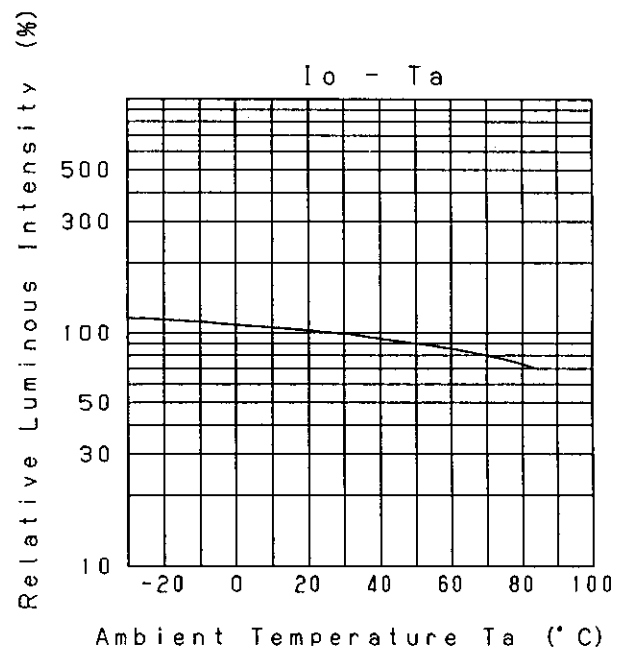
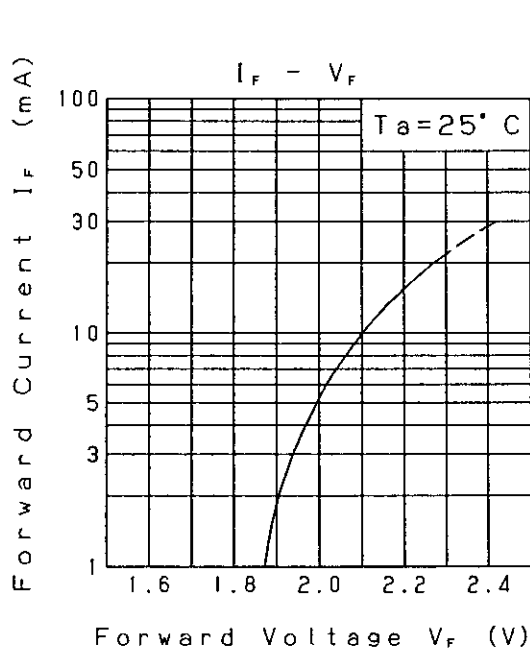


Approved	Checked	Designed	DEVELOPMENT SPECIFICATION					
		<i>T. Tabata</i>	P/N: LNJ318C84RA				TEMPORARY	
T Y P E			Green Light Emitting Diode					
APPLICATION			Indications					
MATERIAL			GaP					
OUTLINE			Attached					
ABSOLUTE MAXIMUM RATINGS			P	*1 I _{FP}	I _{FDC}	V _R	Topr	Tstg
			60	60	20	4	-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 _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		10.5	5.6		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
*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. Circuit to operate LED.  (A)  (B) (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								

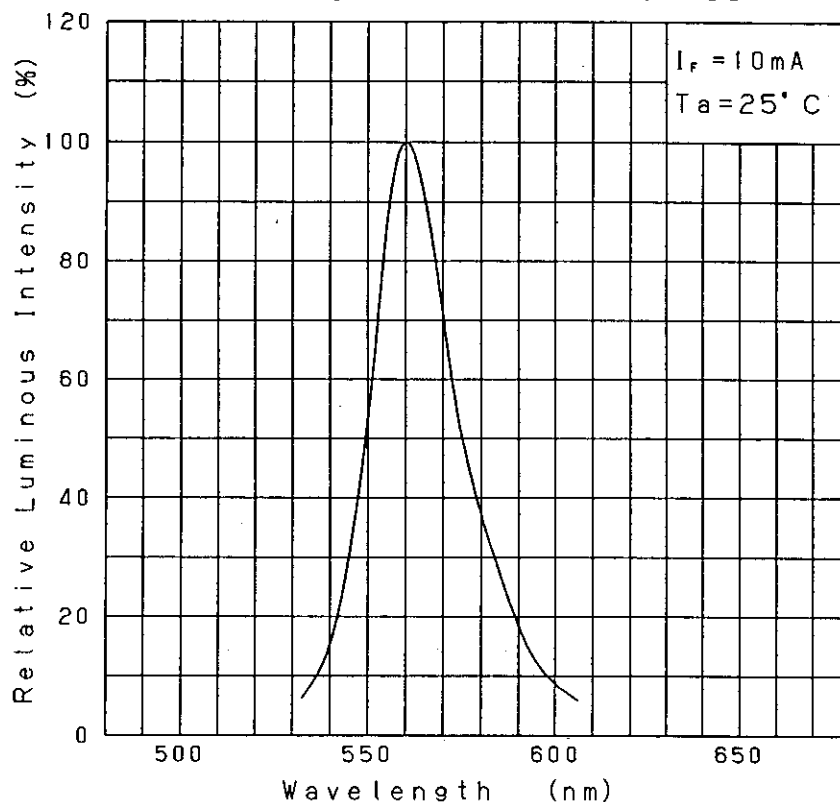
Approved	Checked	Designed	DEVELOPMENT SPECIFICATION	TEMPORARY
		T. Takata		
			P/N: <u>LNJ318C84RA</u>	



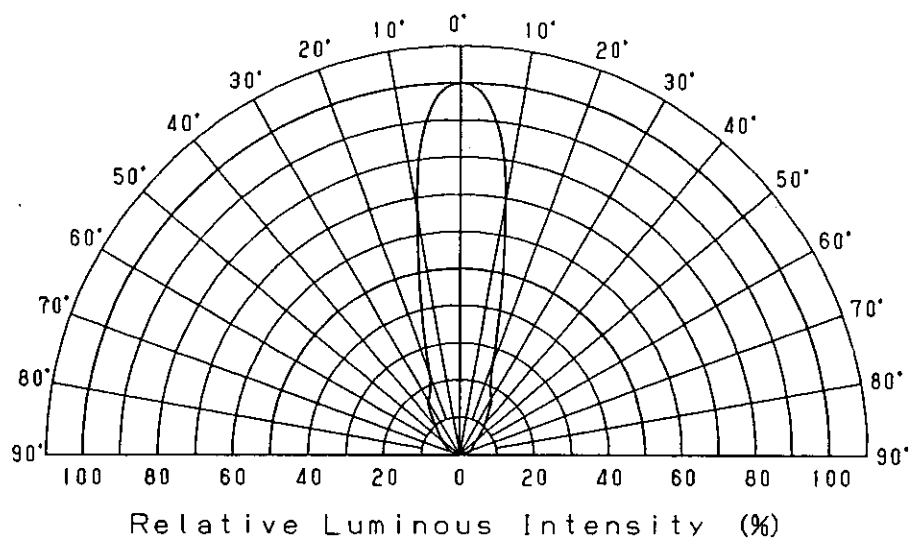
Nov.7.2001		

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION	TEMPORARY
		T. Takata		
			P/N: LNJ318C84RA	

Relative Luminous Intensity
Wavelength Characteristics



Directive Characteristics



Nov. 7. 2001

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION (OUTLINE)		TEMPORARY
T. Ito	H. Ito	T. Tabata	P/N: _____		

Outline

Top view dimensions: 3.20 (total width), 2.20 (inner width), 0.05 (top thickness), 0.05 (bottom thickness), $\phi 1.42$ (inner circle), $\phi 1.70$ (outer circle). A polarity mark is indicated on the right side.

Side view dimensions: 1.60 (height), 0.20 (top flange height), 1.60 (main body height), 0.50 (bottom flange height).

Protect mask

Mask dimensions: 2.20 (width).

Recommended Land Layout

Land layout dimensions: 3.0 (total width), 1.6 (height), 1.4 (inner width).

Polarity

ANODE CATHODE

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