Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION	
		T.Takata	P/N:LNJ818C88RA1	TEMPORARY

TYPE	Orange Light Emitting Diode
APPLICATION	Indicatiors
MATERIAL	InGaAlP
OUTLINE	Attached

ABSOLUTE MAXIMUM RATINGS	P	*1 I_{FP}	I_{FDC}	V_R	Topr	Tstg
	55	60	20	4	-30～+85	-40～+100
	mW	mA	mA	V	℃	℃

CONDITION Ta=25±3℃

Test Specification

Item	Symbol	Condition	Typ	Limit		Unit
				Min	Max	
Forward Voltage	V_F	I_F=10mA	1.9		2.5	V
Reverse Leakage Current	I_R	V_R= 3V			100	μA
Luminous Intensity *2	I_O	I_F=10mA DC	16.3	8.7		mcd
Peak Emission Wavelength	λp	I_F=10mA DC	620			nm
Spectral Line Half Width	Δλ	I_F=10mA DC	17			nm

*1. The Condition of I_{FP} is duty 10 %, Pulse width 1 ms

*2. Tolerance of luminous intensity: ±20%.

NOTE

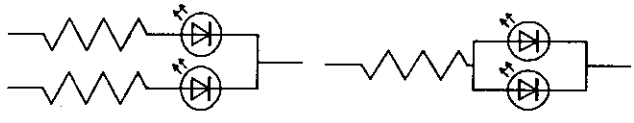
★1. Please contact the Panasonic local office if you design at low current (blow 1mA DC) or pulse current operation and have any questions.

★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) (B)

(A) Recommended circuit.

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

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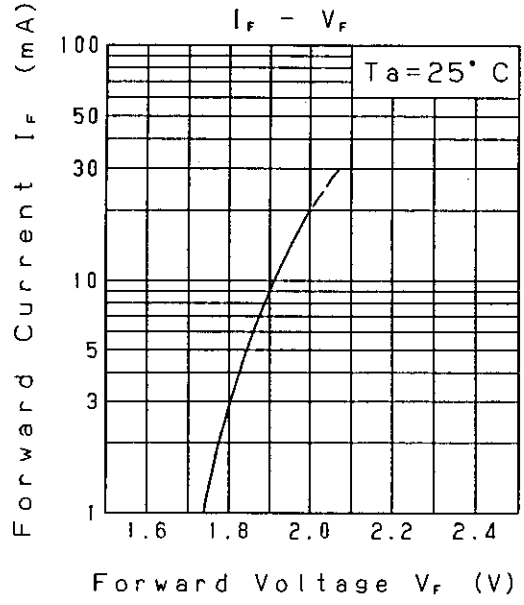
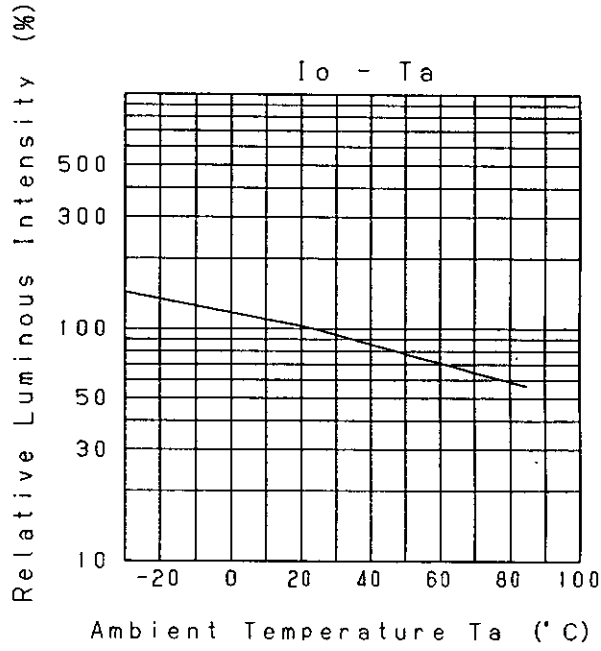
		T.Takata

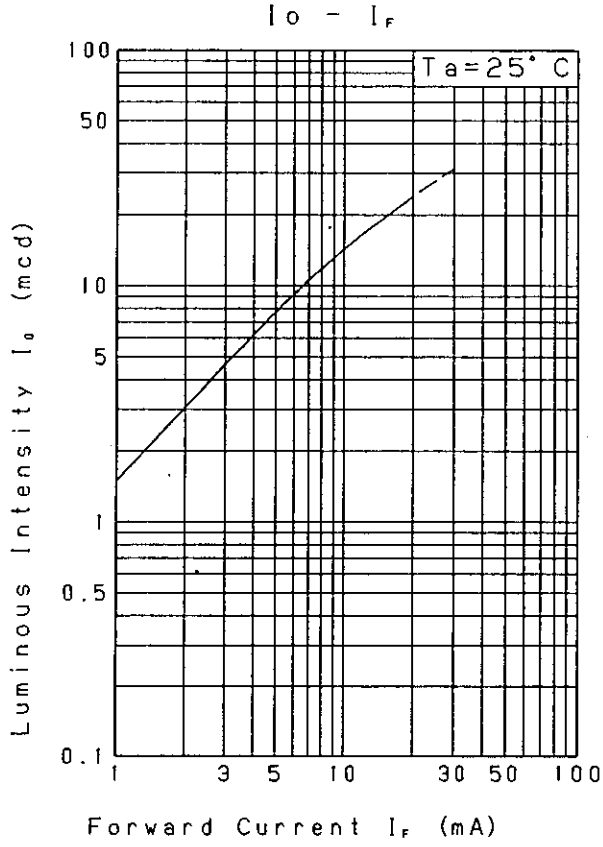
DEVELOPMENT SPECIFICATION

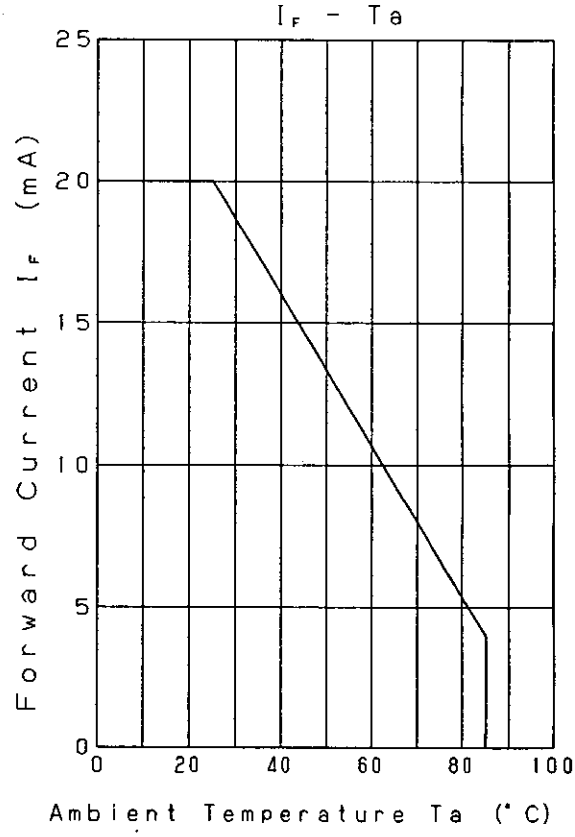
P/N: LNJ818C88RA1

TEMPORARY









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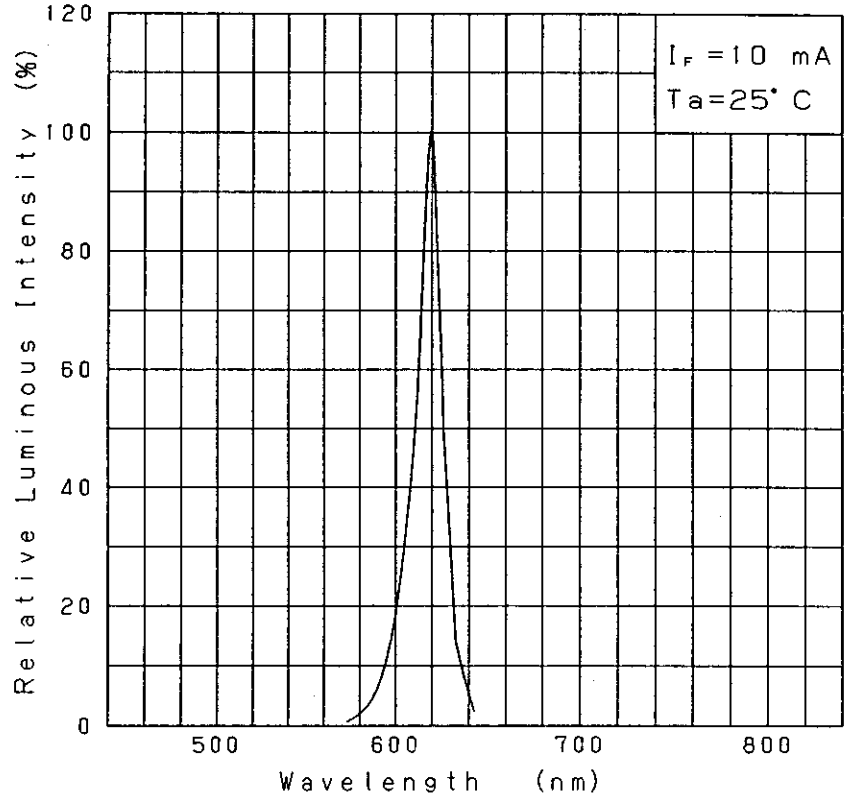
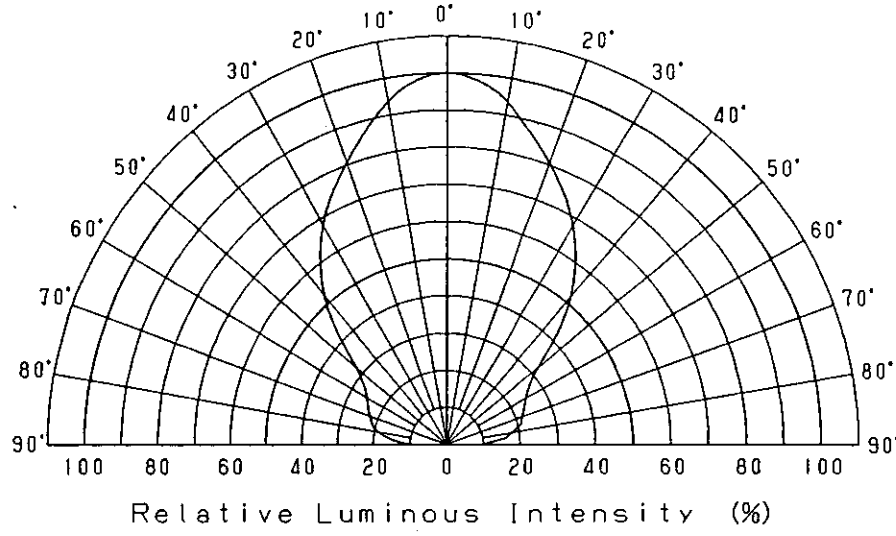
Approved	Checked	Designed	DEVELOPMENT SPECIFICATION	
		T. Takata	P/N: LNJ818C88RA1	TEMPORARY

Relative Luminous Intensity
Wavelength Characteristics



Directive Characteristics



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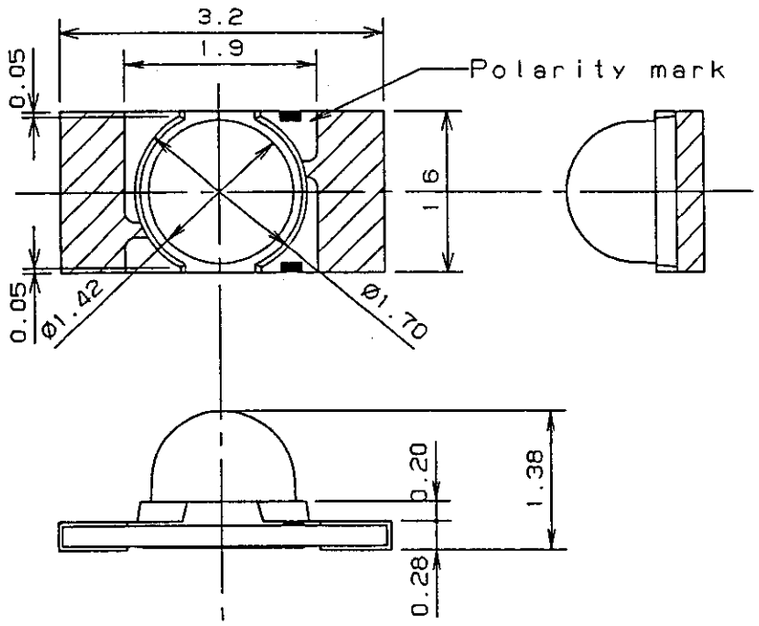
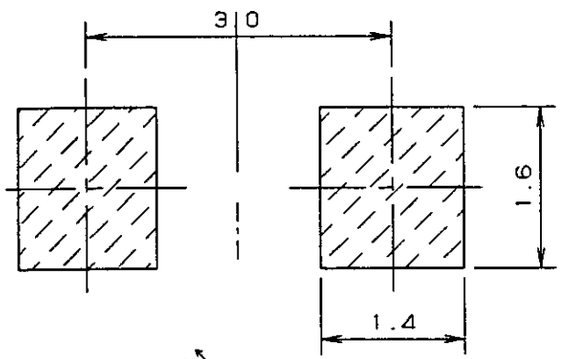
Approved	Checked	Designed	DEVELOPMENT SPECIFICATION (OUTLINE)	
		T. Tabata	P/N:	TEMPORARY

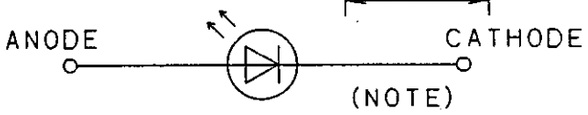
Outline



Recommended Land Layout



Polarity



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

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