



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.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



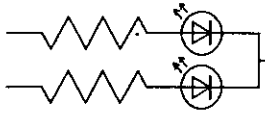
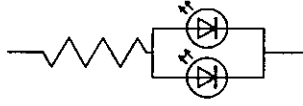
## Contact us

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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



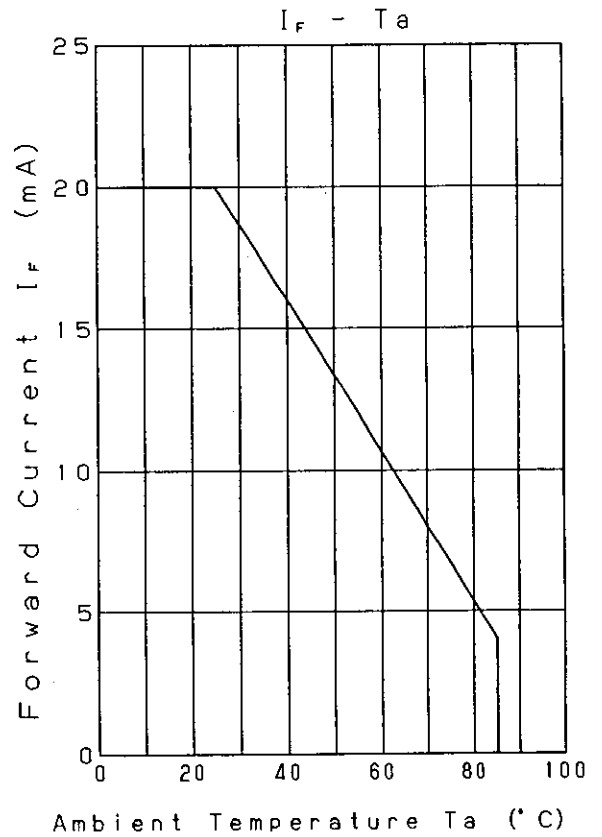
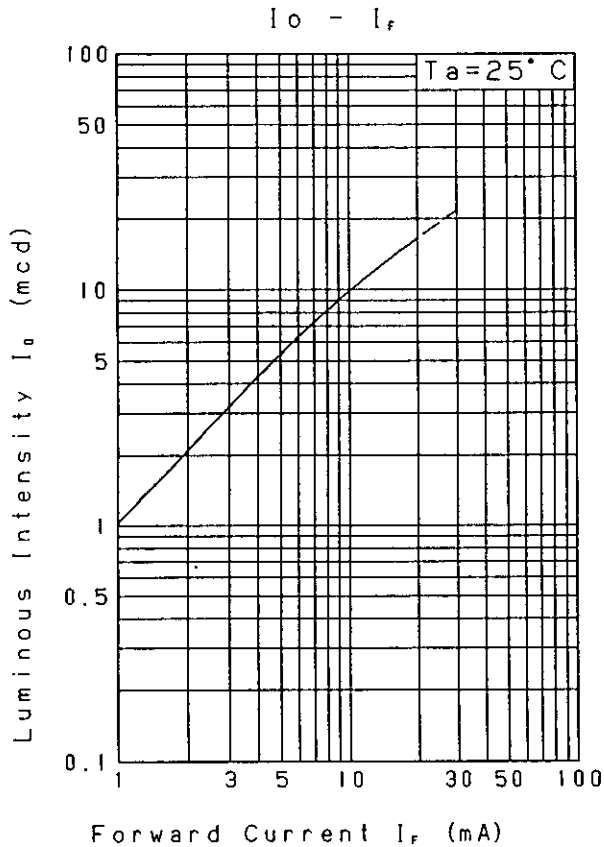
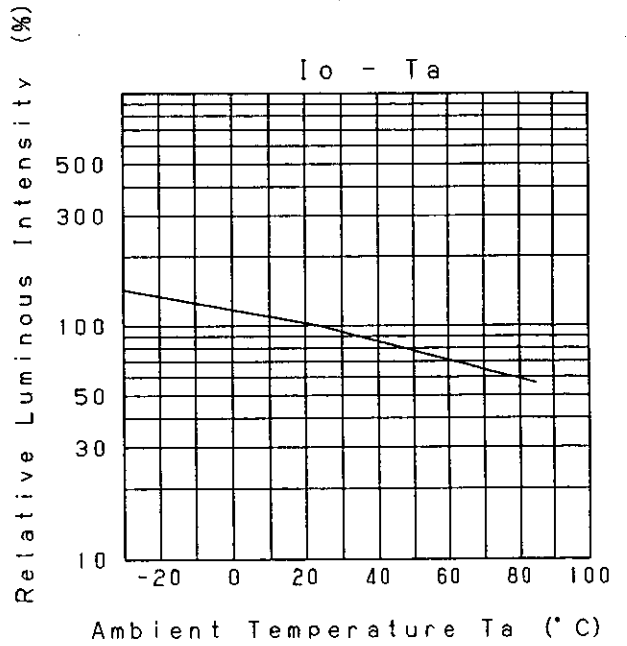
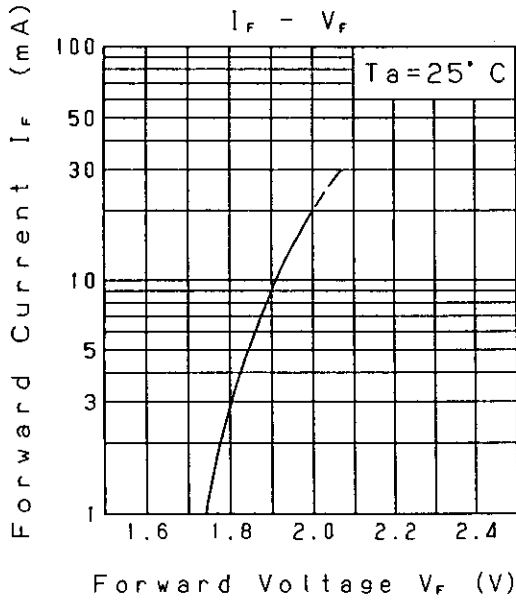
Approved	Checked	Designed	DEVELOPMENT SPECIFICATION					
		T. Tabata	P/N: LNJ816C88RA				TEMPORARY	
T Y P E			Orange Light Emitting Diode					
A P P L I C A T I O N			Indications					
M A T E R I A L			InGaAlP					
O U T L I N E			Attached					
A B S O L U T E M A X I M U M R A T I N G S			P	*1 I <sub>FP</sub>	I <sub>FDC</sub>	V <sub>R</sub>	Topr	Tstg
			55	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	1.9		2.5	V		
Reverse Leakage Current	I <sub>R</sub>	V <sub>R</sub> = 3V			100	μA		
Luminous Intensity *2	I <sub>O</sub>	I <sub>F</sub> =10mA DC	9.8	5.2		mcd		
Peak Emission Wavelength	λ <sub>p</sub>	I <sub>F</sub> =10mA DC	620			nm		
Spectral Line Half Width	Δλ	I <sub>F</sub> =10mA DC	17			nm		
#1. The Condition of I <sub>FP</sub> 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 <sub>F</sub> characteristics of each LED.		
Oct. 18. 2001								

Approved	Checked	Designed
		T. Takata

DEVELOPMENT SPECIFICATION

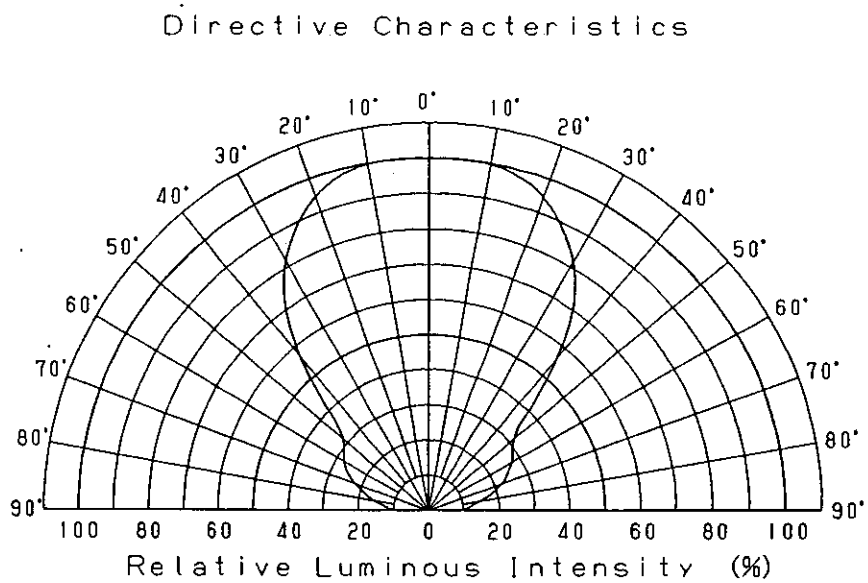
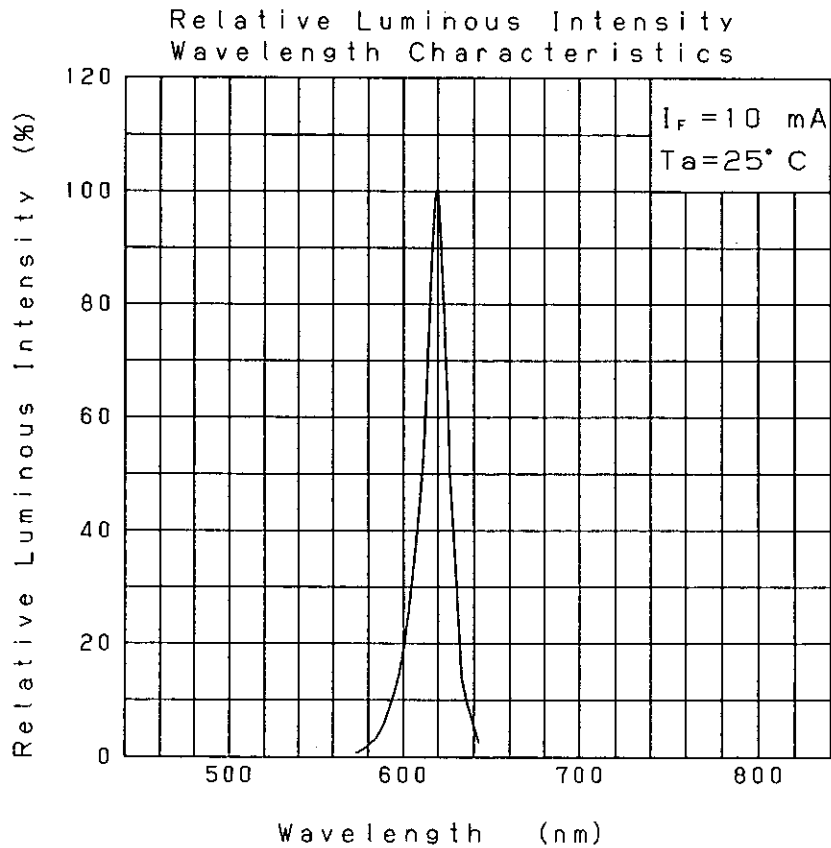
P/N: LNJ816C88RA

TEMPORARY



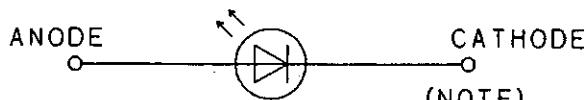
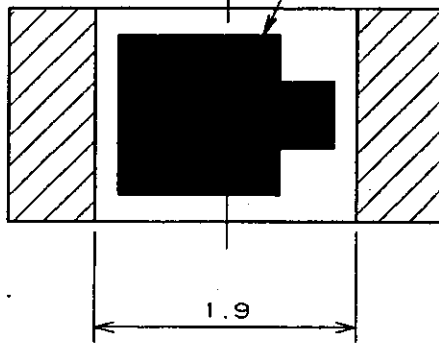
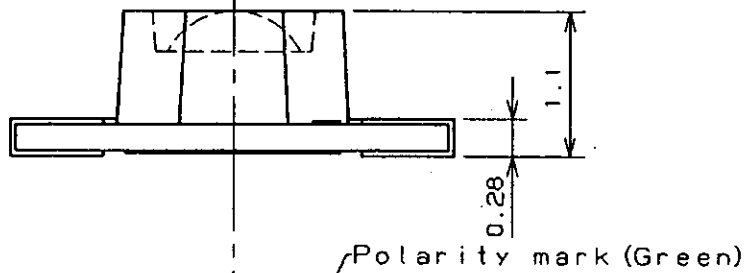
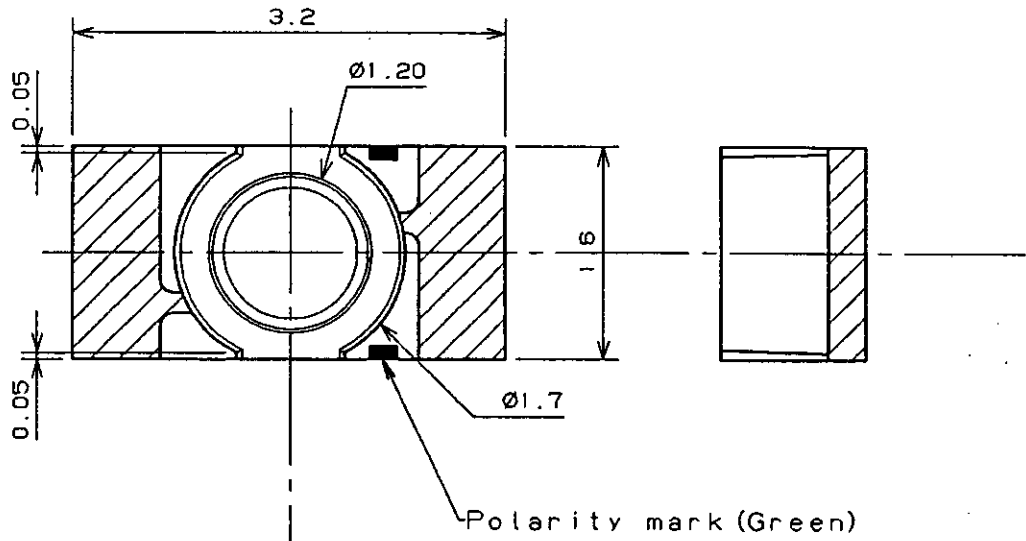
Nov. 7. 2001

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION	TEMPORARY
		T. Tabata		



Nov. 7. 2001			
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Approved <i>T. Akeda</i>	Checked <i>M. Ni</i>	Designed <i>T. Taketa</i>	DEVELOPMENT SPECIFICATION (OUTLINE) P/N:	



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

Jan. 31. 2000			