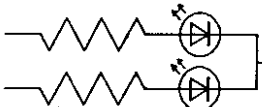
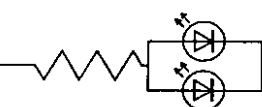


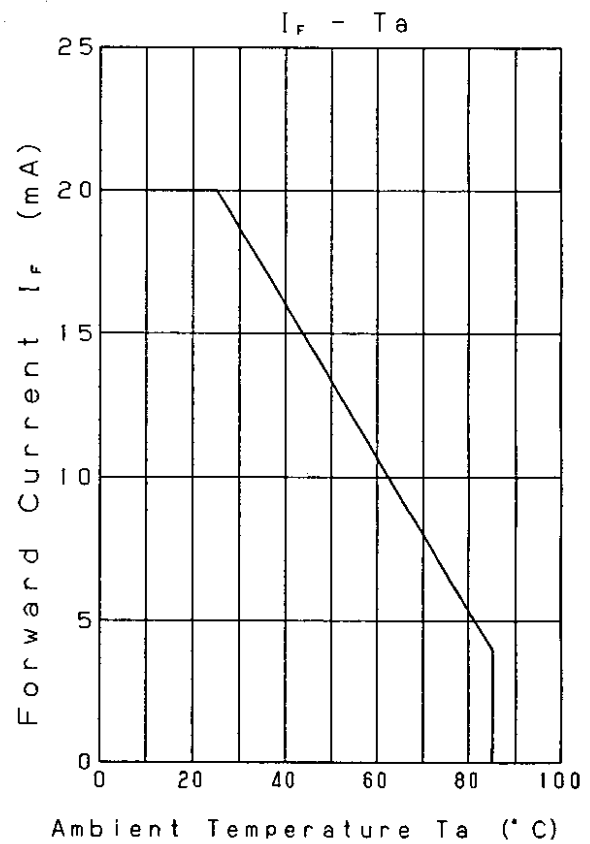
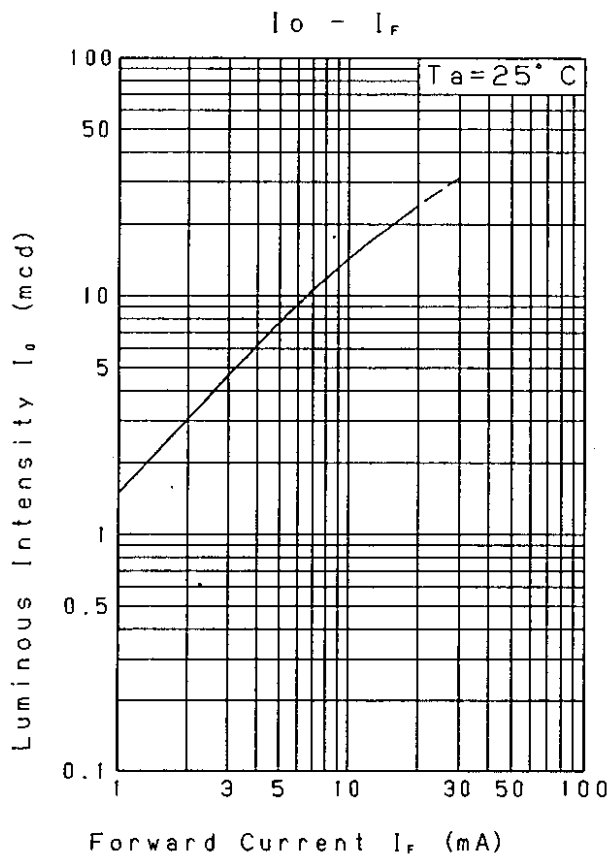
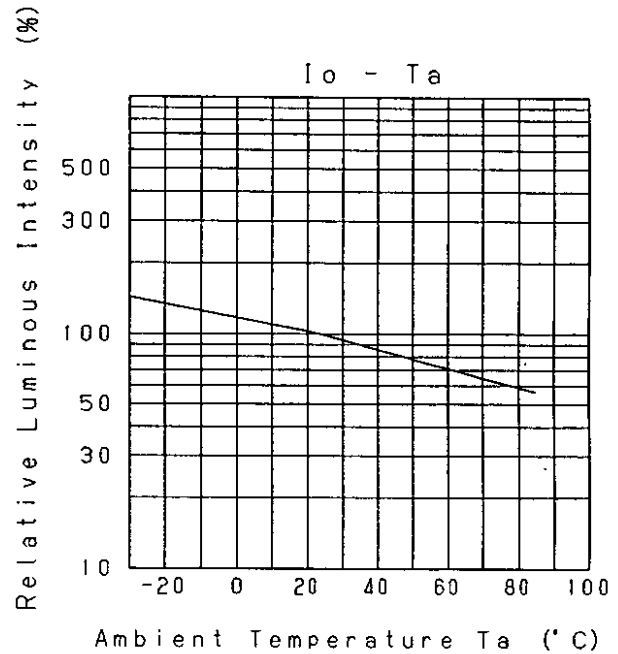
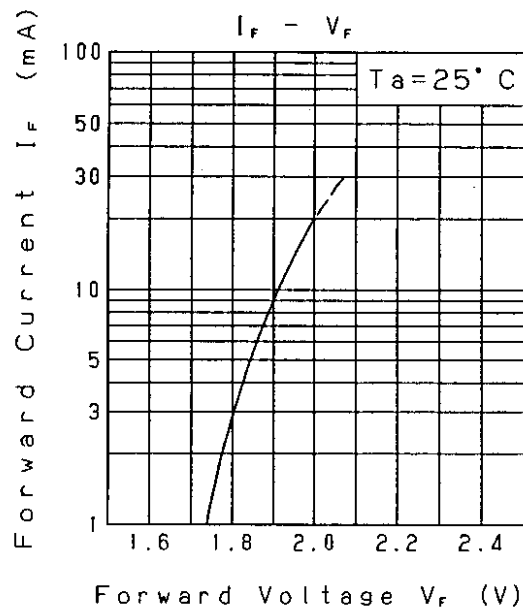
Approved	Checked	Designed	DEVELOPMENT SPECIFICATION					
		<i>T. Takata</i>	P/N: LNJ818C88RA1				TEMPORARY	
T Y P E			Orange Light Emitting Diode					
APPLICATION			Indications					
M A T E R I A L			InGaAlP					
O U T L I N E			Attached					
A B S O L U T E			P	#1 I _{FP}	I _{FDC}	V _R	Topr	Tstg
M A X I M U M			55	60	20	4	-30~+85	-40~+100
R A T I N G S			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 _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	λ _p	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 (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)				(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								

Panasonic

KAGOSHIMA MATSUSHITA ELECTRONICS CO., LTD

KB-H-022-018B

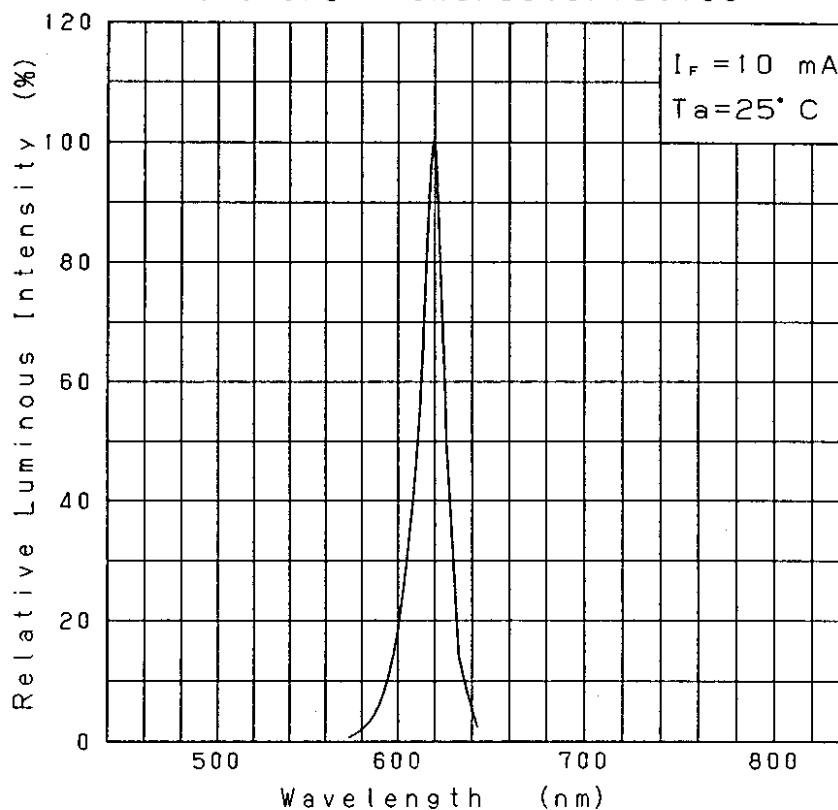
Approved	Checked	Designed	DEVELOPMENT SPECIFICATION	TEMPORARY
		T. Takata		
			P/N: LNJ818C88RA1	



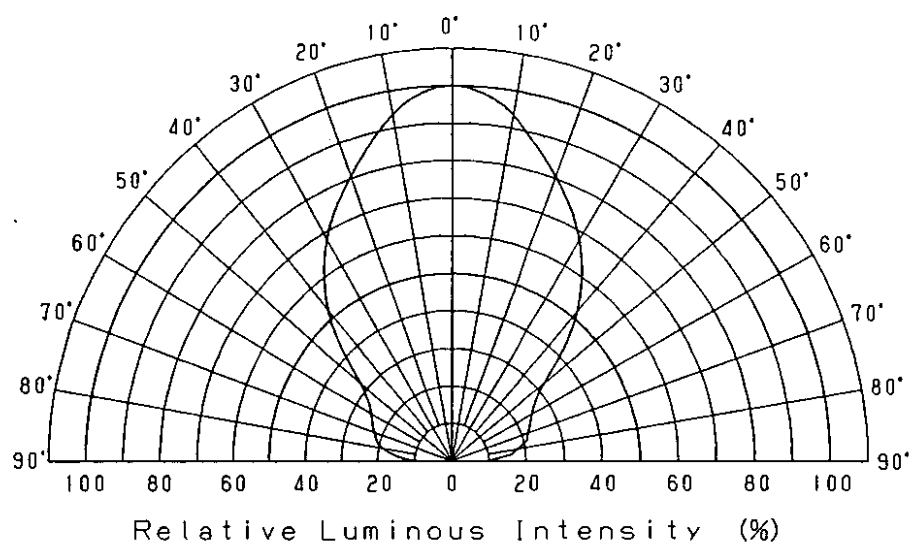
Nov. 7. 2001			

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION	TEMPORARY
		T. Takata		

Relative Luminous Intensity
Wavelength Characteristics



Directive Characteristics



Nov. 7. 2001		

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

Outline

Top view dimensions: 3.2 (total width), 1.9 (inner width), 0.05 (top/bottom thickness), 1.6 (height), 0.05 (left thickness), $\phi 1.42$ (inner circle), $\phi 1.70$ (outer circle). A polarity mark is indicated on the right side.

Side view dimensions: 0.20 (height), 1.38 (total height), 0.28 (base thickness).

Recommended Land Layout: 3.0 (total width), 1.6 (height), 1.4 (inner width). A polarity mark is indicated on the right side.

Polarity

ANODE CATHODE

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

Nov. 7. 2001

Panasonic

KAGOSHIMA MATSUSHITA ELECTRONICS CO., LTD.

KB-H-022-018B