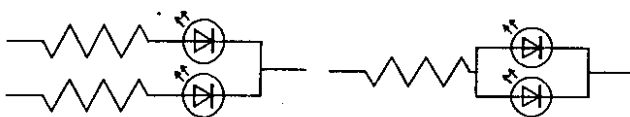
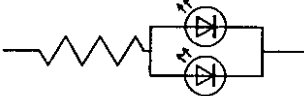
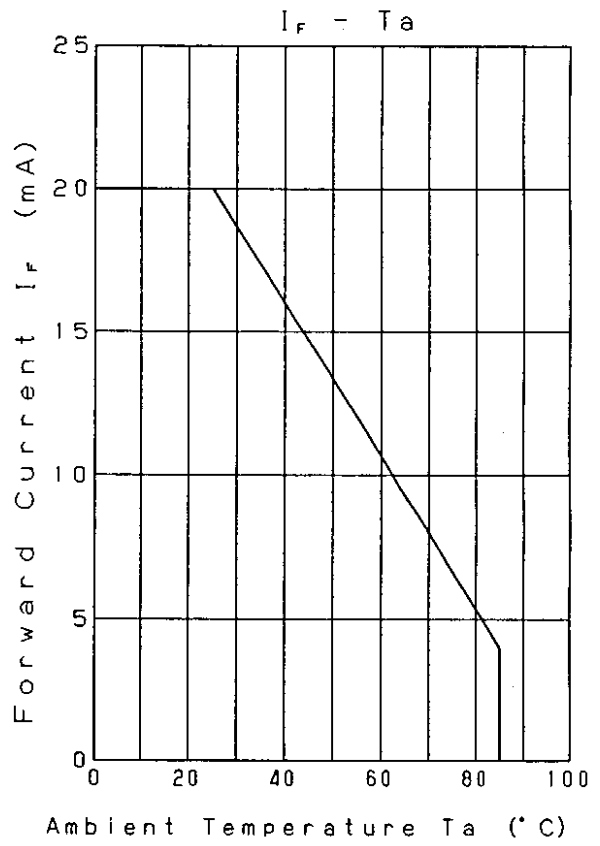
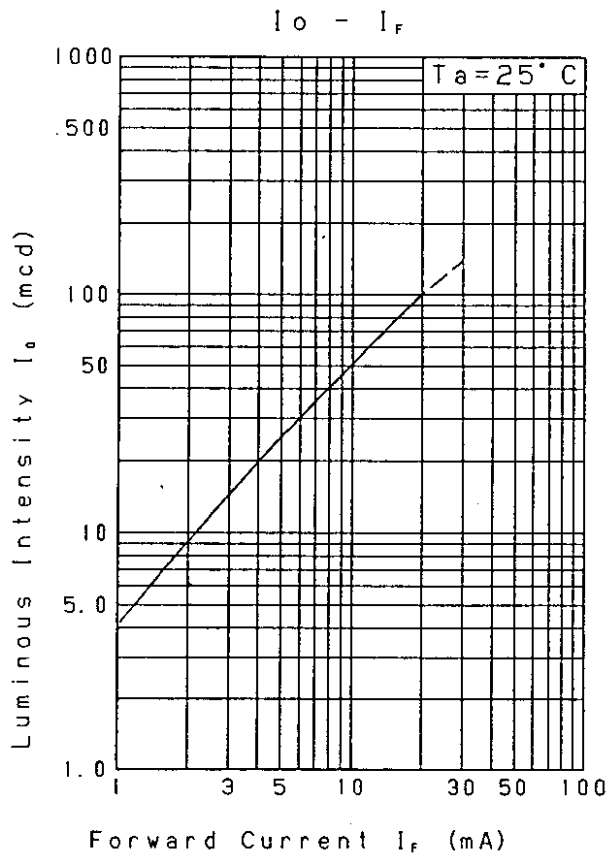
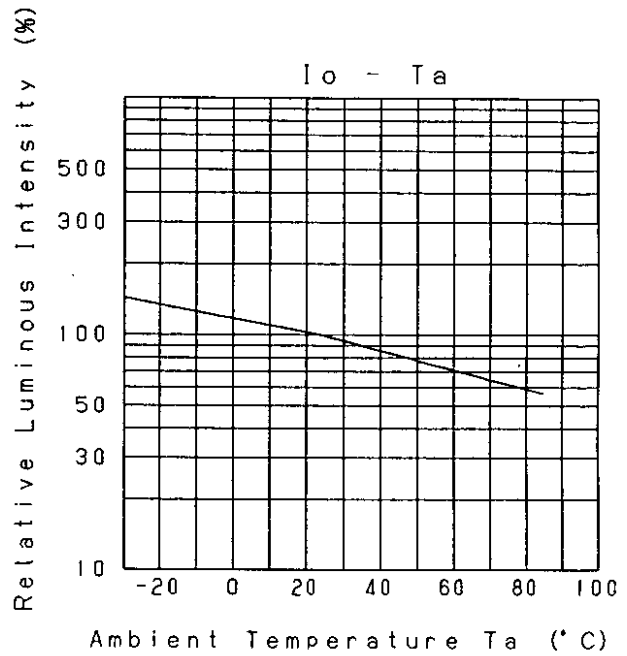
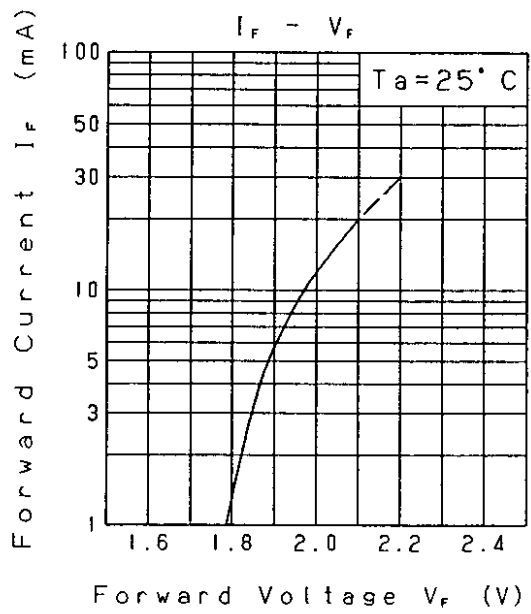


Approved	Checked	Designed	DEVELOPMENT SPECIFICATION					
		T. Takatori	P/N: LNJ818C87RA1				TEMPORARY	
TYPE			Soft Orange Light Emitting Diode					
APPLICATION			Indicators					
MATERIAL			InGaAlP					
OUTLINE			Attached					
ABSOLUTE MAXIMUM RATINGS			P	*1 I <sub>FP</sub>	I <sub>FDC</sub>	V <sub>R</sub>	Topr	Tstg
			55	60	20	4	-30~+85	-40~+100
			mW	mA	mA	V	°C	°C
CONDITION			Ta=25±3°C					
Test Specification								
Item	Symbol	Condition	Typ	Limit		Unit		
				Min	Max			
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =10mA	1.95		2.5	V		
Reverse Leakage Current	I <sub>R</sub>	V <sub>R</sub> =4V			100	μA		
Luminous Intensity #2	I <sub>O</sub>	I <sub>F</sub> =10mA DC	52.5	28.0		mcd		
Peak Emission Wavelength	λ <sub>p</sub>	I <sub>F</sub> =10mA DC	615			nm		
Spectral Line Half Width	Δλ	I <sub>F</sub> =10mA DC	20			nm		
#1. The Condition of I <sub>FP</sub> is duty 10%, Pulse width 1ms #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.		
Nov. 7. 2001								

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION	TEMPORARY
		T. Tabata		



Nov. 7. 2001			

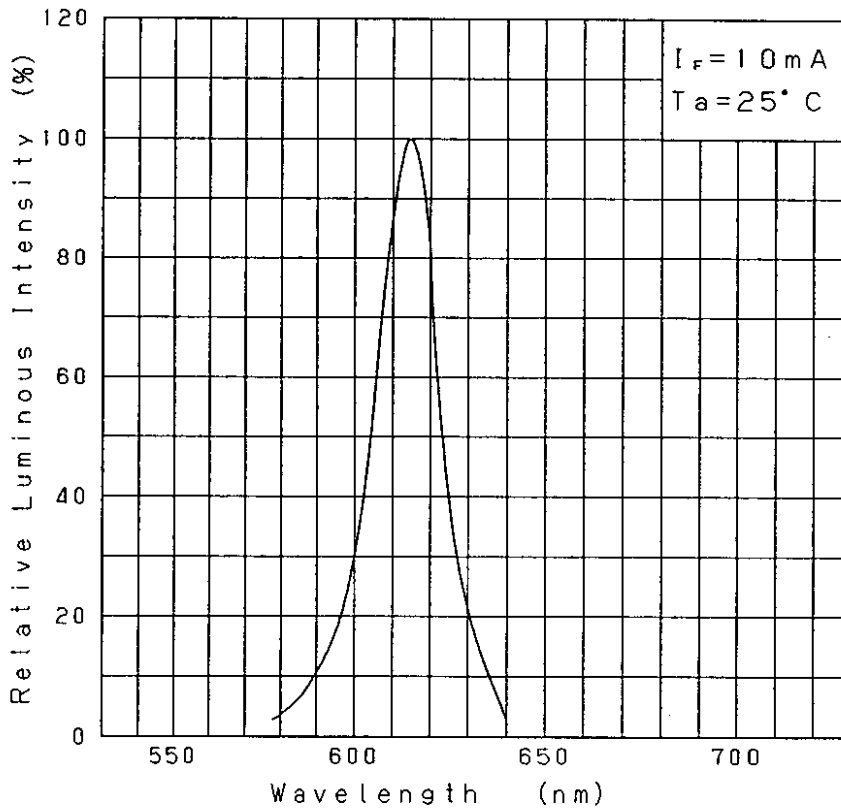
Approved	Checked	Designed
		T. Takata

DEVELOPMENT SPECIFICATION

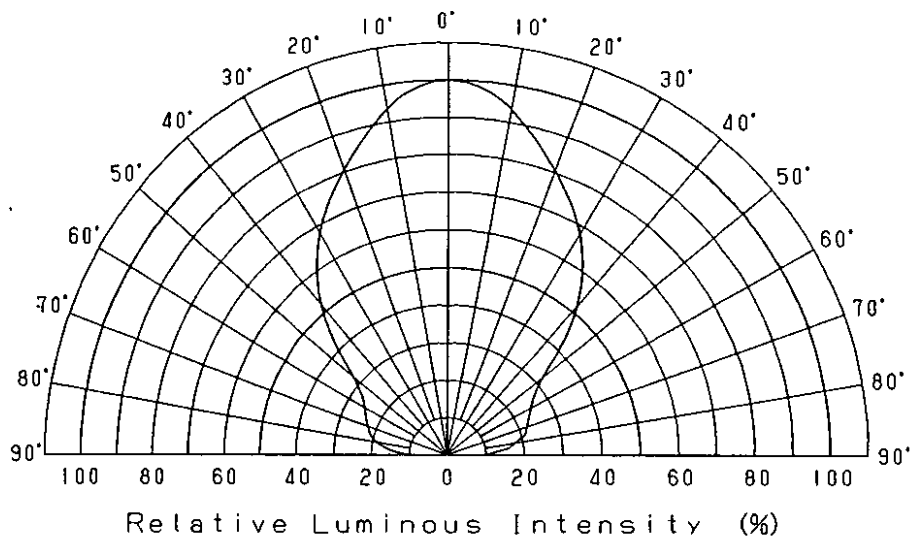
P/N: LNJ818C87RA1

TEMPORARY

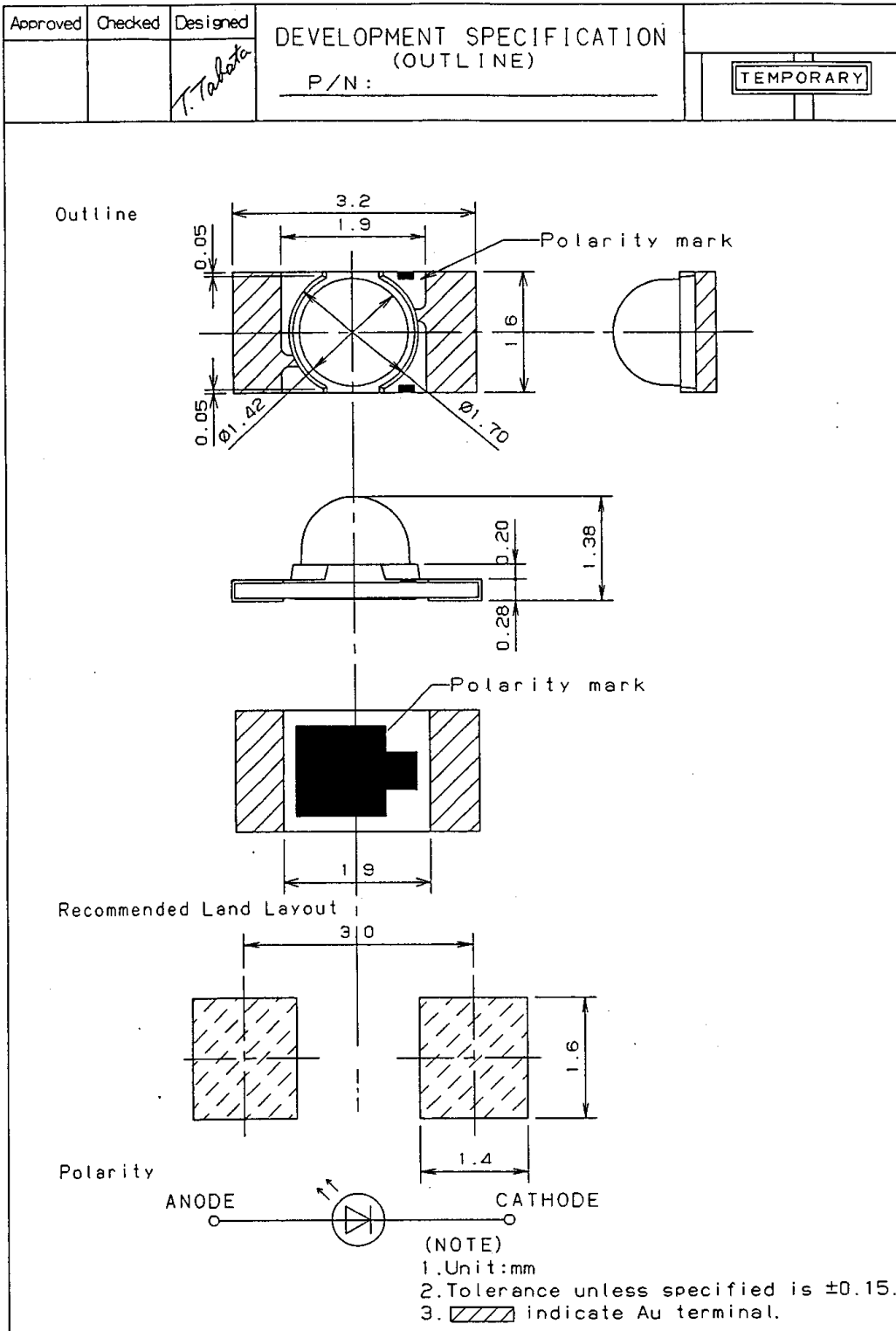
Relative Luminous Intensity  
Wavelength Characteristics



Directive Characteristics



Nov. 7. 2001



Nov. 7. 2001			
Panasonic KAGOSHIMA MATSUSHITA ELECTRONICS CO., LTD. KB-H-022-018B			