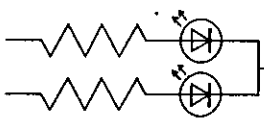
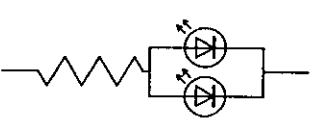


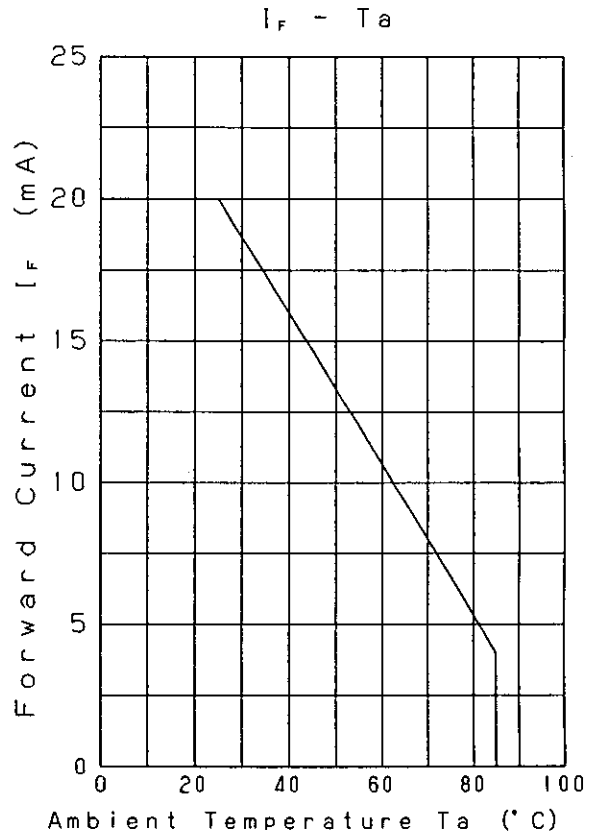
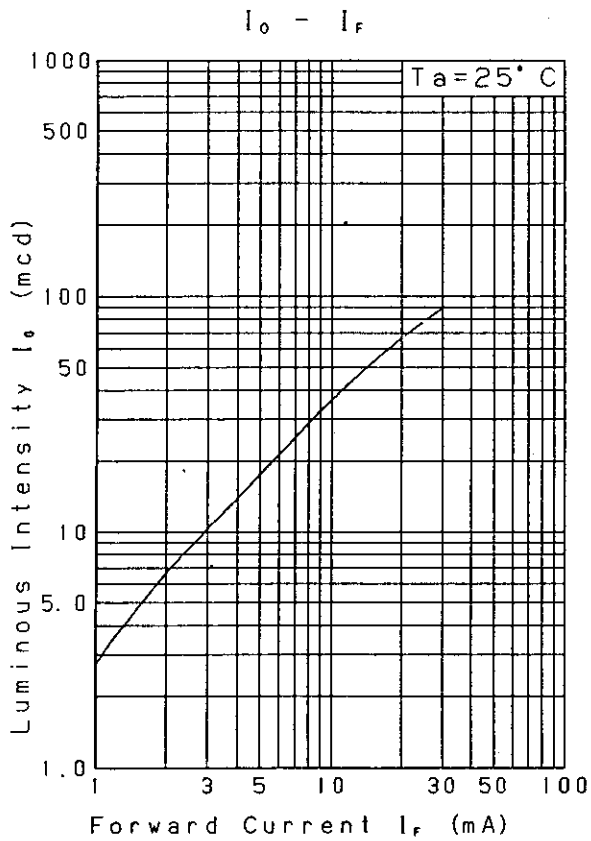
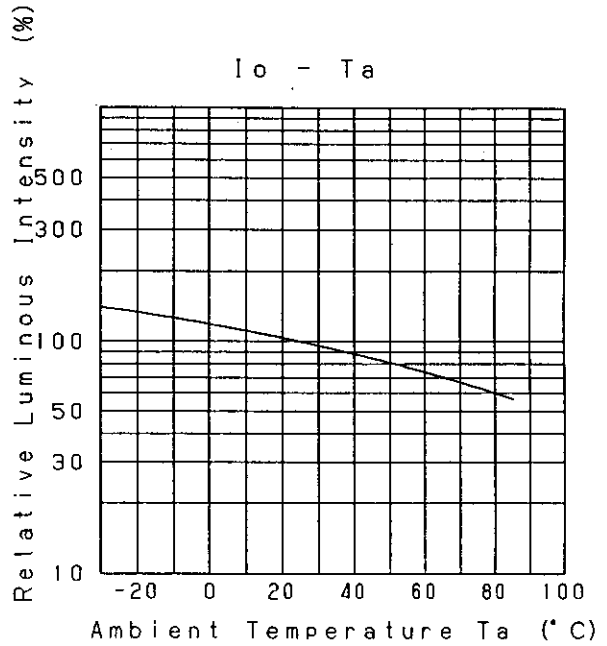
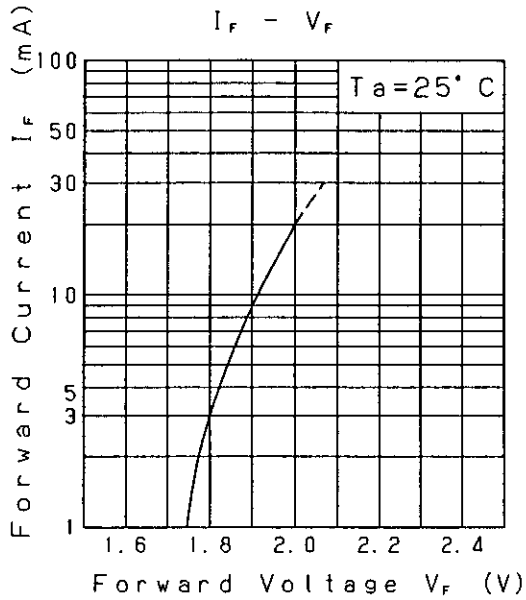
Approved	Checked	Designed	DEVELOPMENT SPECIFICATION					
		T. Tabata	P/N: LNJ 218C82RA1				TEMPORARY	
T	Y	P	E	Red Light Emitting Diode				
APPLICATION			Indicators					
MATERIAL			InGaAlP					
OUTLINE			Attached					
ABSOLUTE MAXIMUM RATINGS			P	#1 I _{PP}	I _{FDC}	V _R	Topr	Tstg
			55	60	20	4	-30~+85	-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 _F	I _F =10mA	1.92		2.5	V		
Reverse Leakage Current	I _R	V _R =4V			100	μA		
Luminous Intensity #2	I _O	I _F =10mA DC	37	19.7		mcd		
Peak Emission Wavelength	λ _p	I _F =10mA DC	645			nm		
Spectral Line Half Width	Δλ	I _F =10mA DC	22			nm		
#1. The Condition of I _{PP} 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. Package...Clear type.								
★5. Beware of destruction by static electricity in handling the LED.								
★6. Circuit to operate LED.								
						(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
		T. Takata

DEVELOPMENT SPECIFICATION

P/N: LNJ218C82RA1

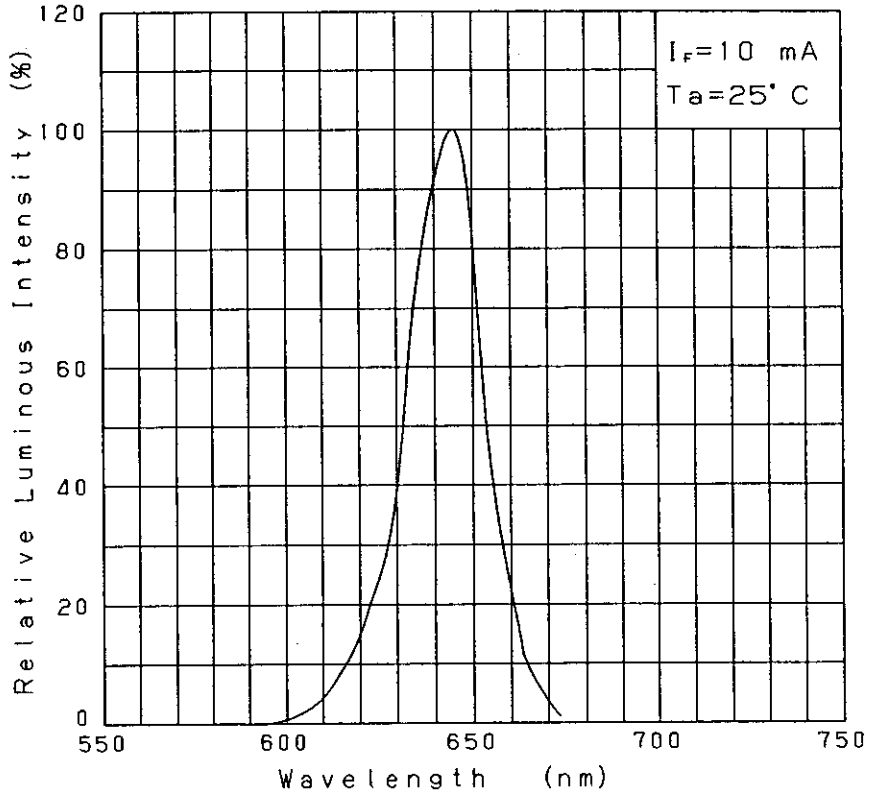
TEMPORARY



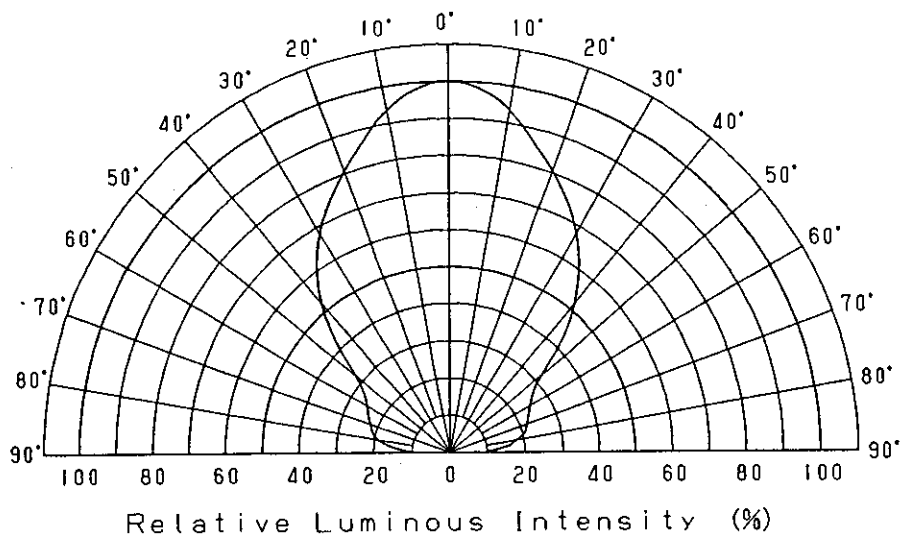
Nov. 7. 2001

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION	TEMPORARY
		<i>H. Tabata</i>		

Relative Luminous Intensity
Wavelength Characteristics



Directive Characteristics



Nov. 7. 2001		
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