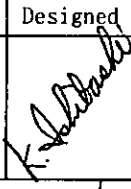
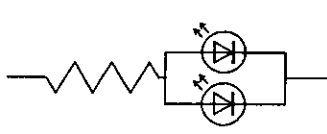
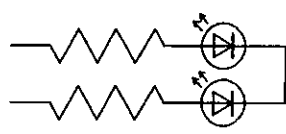
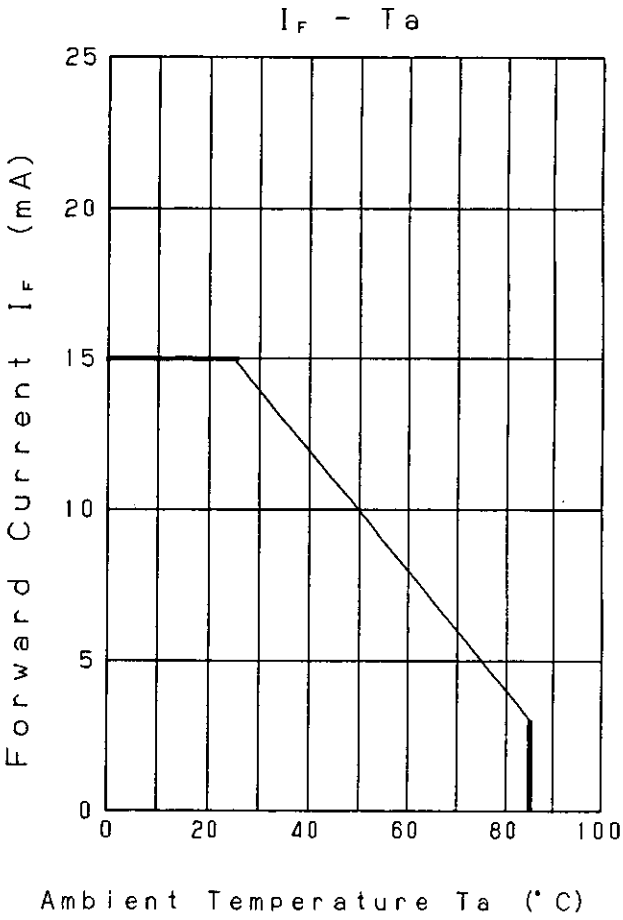
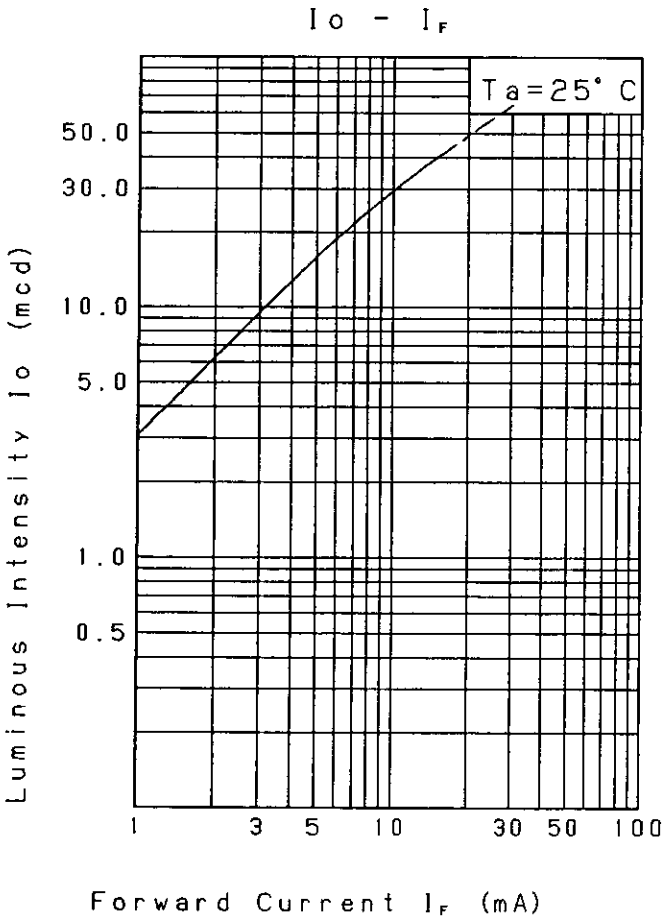
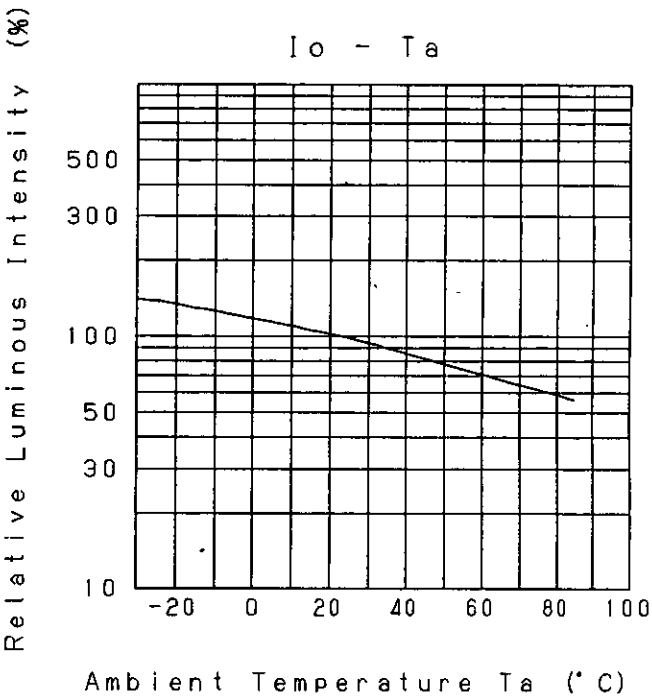
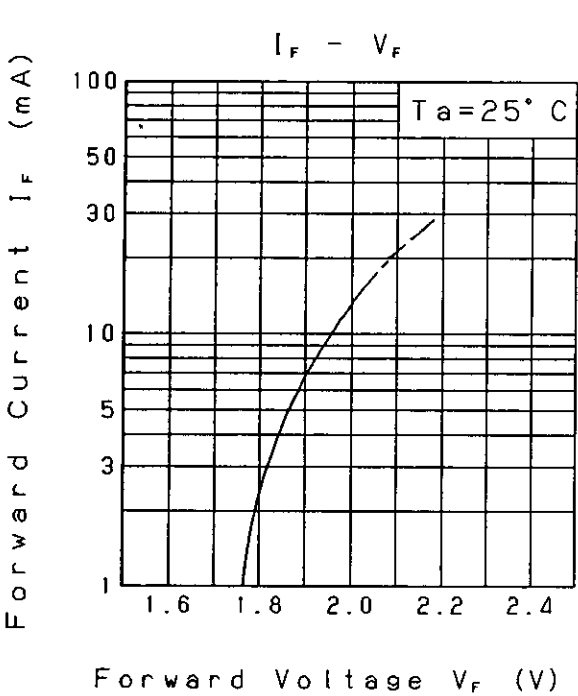


Approved	Checked	Designed	DEVELOPMENT SPECIFICATION					
			Tentative P/N:LNJ814R88RA					
TYPE			Orange Light Emitting Diode					
APPLICATION			Indicators					
MATERIAL			InGaAlP					
OUTLINE			Attached					
ABSOLUTE MAXIMUM RATINGS			P	*1 I _{FP}	I _{FDC}	V _R	Topr	Tstg
			40	50	15	4	-30~+85	-40~+100
			mW	mA	mA	V	℃	℃
CONDITION			Ta=25±3℃					
Test Specification								
Item	Symbol	Condition	Typ.	Limit		Unit		
				Min	Max			
Forward Voltage	V _F	I _F =10 mA	1.95		2.5	V		
Reverse Leakage Current	I _R	V _R = 4 V			100	μA		
Luminous Intensity *2	I _O	I _F =10 mA DC	30	16		mcd		
Peak Emission Wavelength	λ _p	I _F =10 mA DC	620			nm		
Spectral Line Half Width	Δλ	I _F =10 mA DC	17			nm		
*1 · The Condition of I_{FP} is duty 10 % , Pulse width 1 ms · Please contact the Panasonic local office if you design at low current (below 1 mA DC) or pulse current operation and have any questions. *2 Measurement Tolerance is ±20 %. NOTE ★1. Terminal:Plated with gold on copper base. ★2. Beware of destruction by static electricity in handling the LED. ★3. Soldering conditions. Refer to Handling note. ★4. Care should be taken that soldering is done within 7-days after opening the dry package and reel. ★5. 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.								
Oct. 202001								

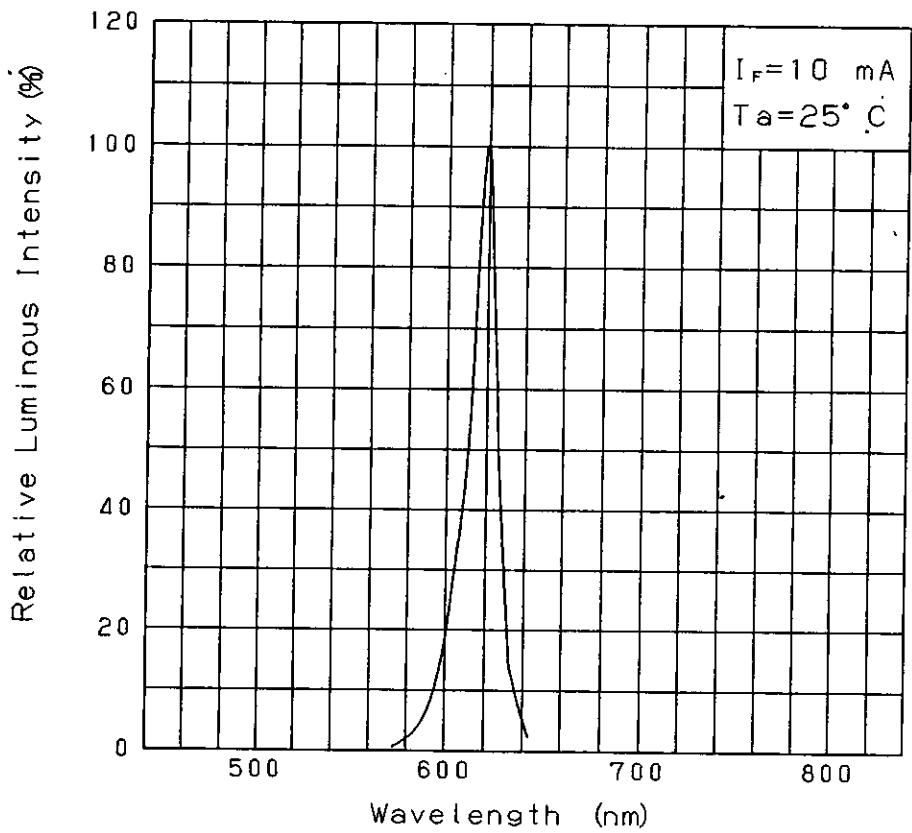
Approved	Checked	Designed	DEVELOPMENT SPECIFICATION					
		<i>K. Sakurai</i>	Tentative P/N: LNJ814R88RA					



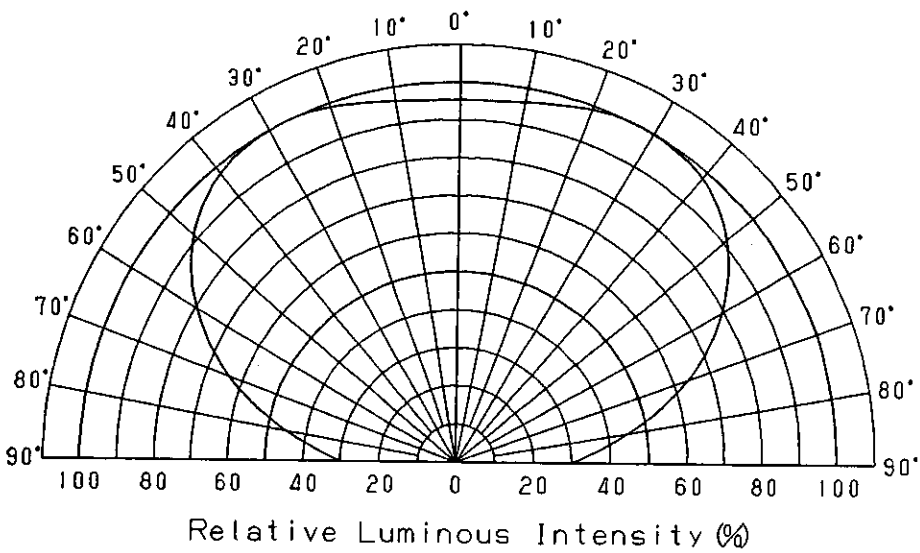
Oct.20.2001			

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION			
		<i>K. J. [Signature]</i>		Tentative P/N : LNJ814R88RA		

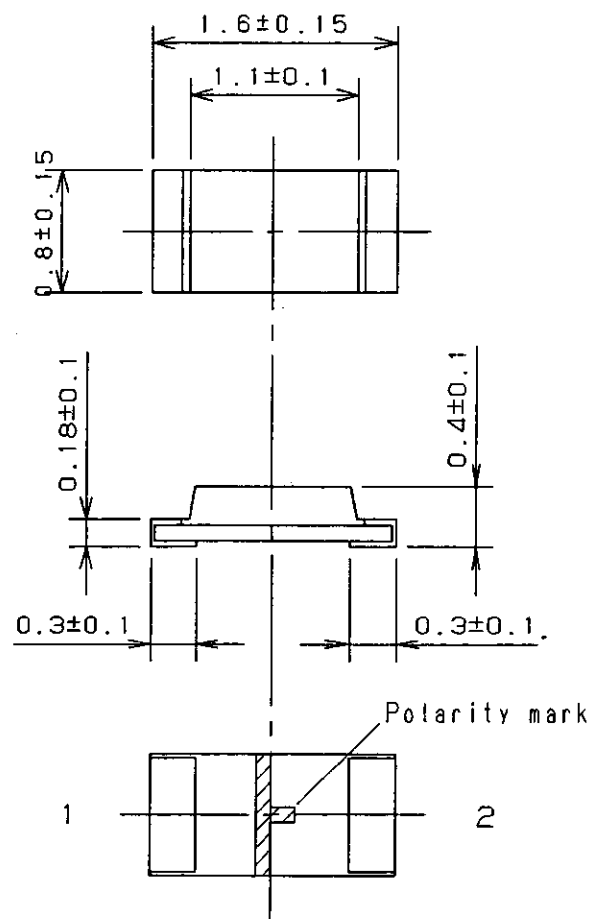
Relative Luminous Intensity
Wavelength Characteristics



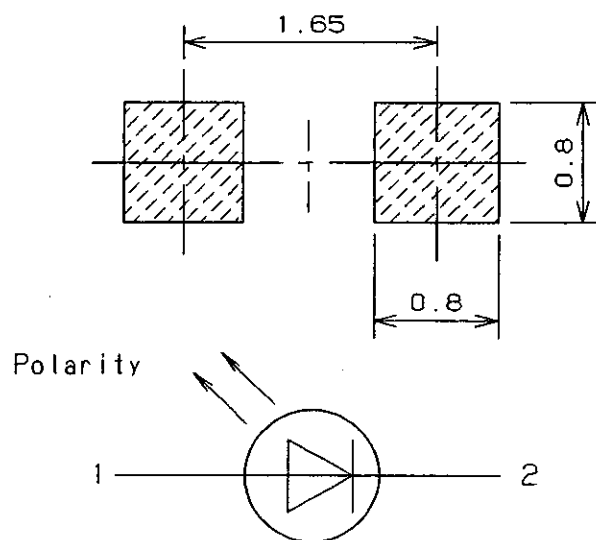
Directive Characteristics



Oct. 20. 2001			



Recommended Land Layout



(NOTE)

- Measurement of the package doesn't include electrode projection.
- Unit:mm

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