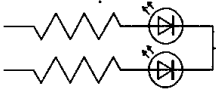


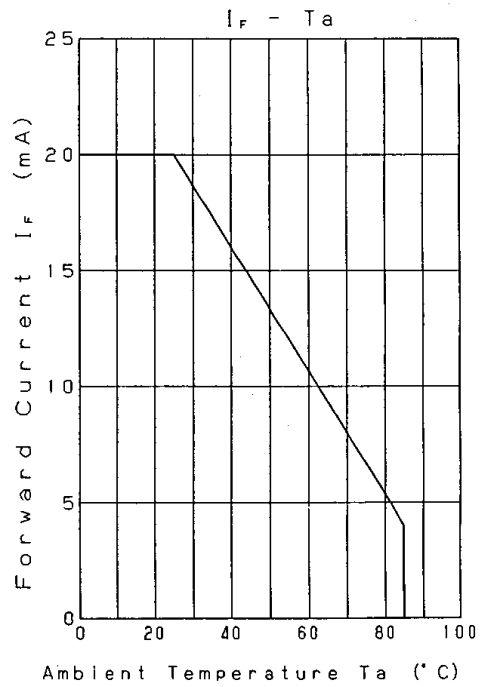
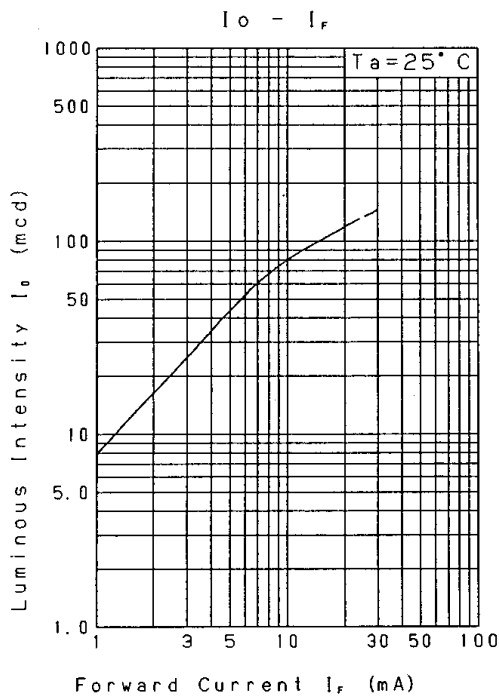
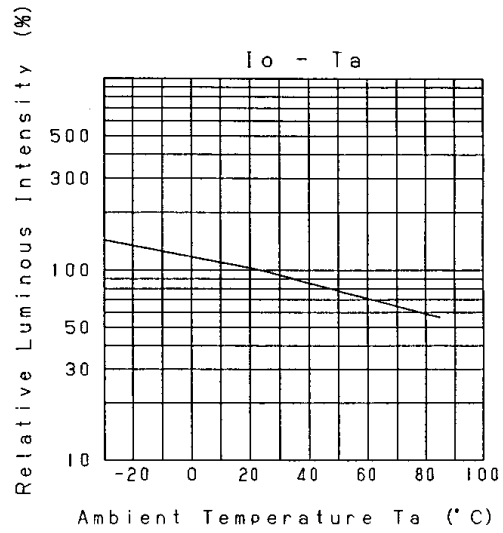
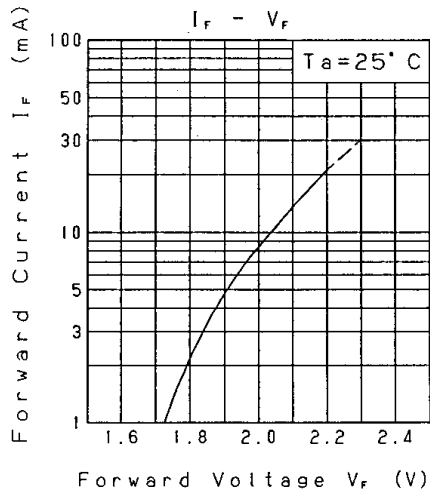
Approved	Checked	Designed	DEVELOPMENT SPECIFICATION					
		<i>T. Tabata</i>	P/N: LNJ818C83RA1				TEMPORARY	
TYPE			Orange Light Emitting Diode					
APPLICATION			Indicators					
MATERIAL			InGaAlP					
OUTLINE			Attached					
ABSOLUTE MAXIMUM RATINGS			P	*1 I _{FP}	I _{FDC}	V _R	Topr	Tslg
			55	60	20	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	2.03		2.5	V		
Reverse Leakage Current	I _R	V _R =4V			100	μA		
Luminous Intensity #2	I _O	I _F =10mA DC	80	42		mcd		
Peak Emission Wavelength	λ _p	I _F =10mA DC	630			nm		
Spectral Line Half Width	Δλ	I _F =10mA DC	15			nm		
#1. The Condition of I _{FP} 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 _F characteristics of each LED.			
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KB-H-022-018B

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION	TEMPORARY
		T. Tabata		



Nov. 7. 2001			
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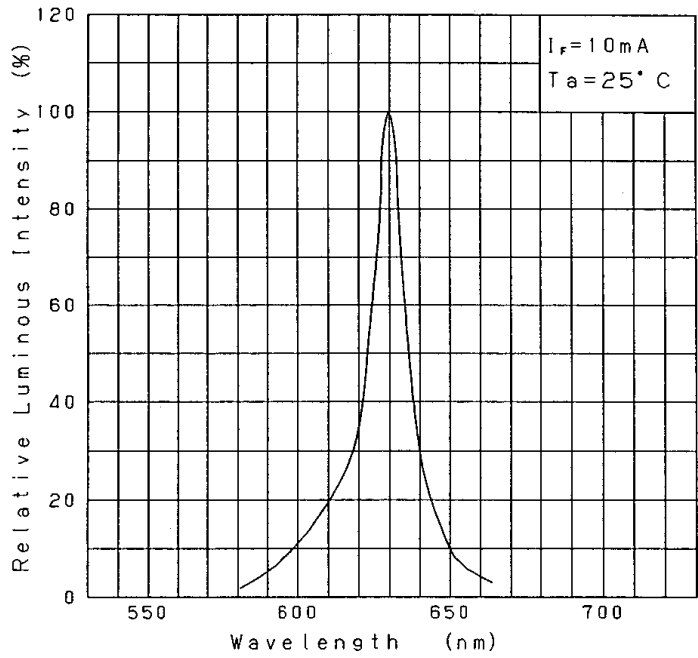
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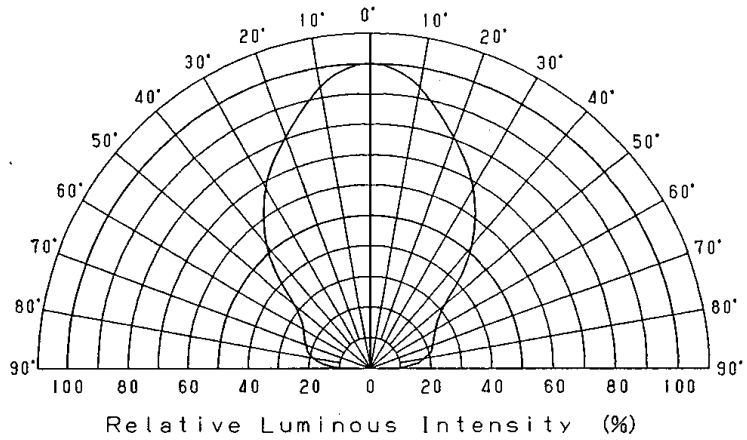
KB-H-022-018B

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION	TEMPORARY
		<i>T. T. R. R. R. R.</i>		

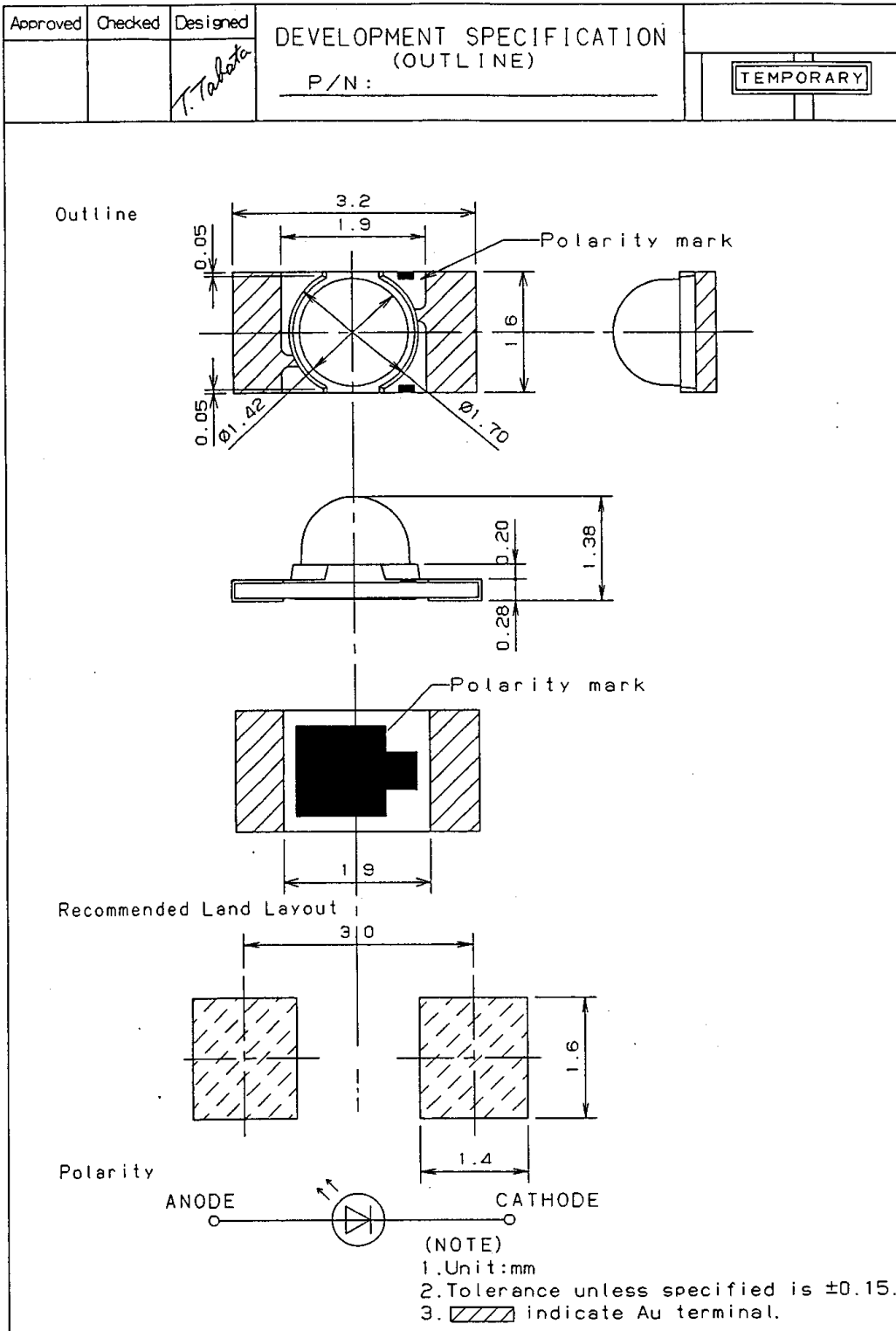
Relative Luminous Intensity
Wavelength Characteristics



Directive Characteristics



Nov. 7, 2001		
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