

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION	TEMPORARY
		T. Takato		

T Y P E	Soft Orange Light Emitting Diode					
A P P L I C A T I O N	Indicators					
M A T E R I A L	GaAsP					
O U T L I N E	Attached					
A B S O L U T E M A X I M U M R A T I N G S	P	*1 I <sub>FP</sub>	I <sub>FDC</sub>	V <sub>R</sub>	Topr	Tstg
	60	60	20	3	-30~+85	-40~+100
	mW	mA	mA	V	°C	°C
C O N D I T I O N	T <sub>a</sub> = 25 ± 3 °C					

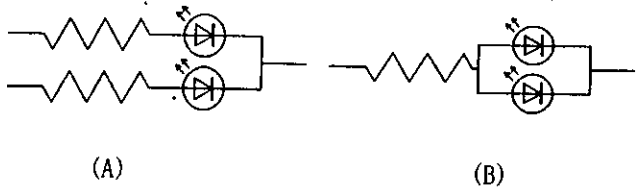
Test Specification

I t e m	Symbol	C o n d i t i o n	Typ	Limit		Unit
				Min	Max	
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> = 10 mA	1.93		2.6	V
Reverse Leakage Current	I <sub>R</sub>	V <sub>R</sub> = 3 V			10	μA
Luminous Intensity *2	I <sub>O</sub>	I <sub>F</sub> = 10 mA DC	1.0	0.5		mcd
Peak Emission Wavelength	λ <sub>p</sub>	I <sub>F</sub> = 10 mA DC	610			nm
Spectral Line Half Width	Δλ	I <sub>F</sub> = 10 mA DC	40			nm

- \*1. The Condition of I<sub>FP</sub> is duty 10 % , Pulse width 1 ms
- \*2. Tolerance of luminous intensity : ±20%.

NOTE

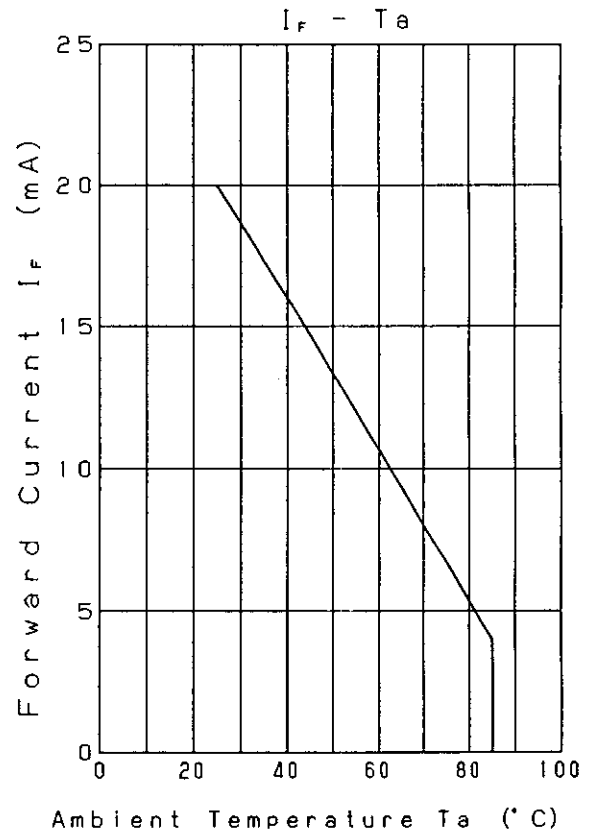
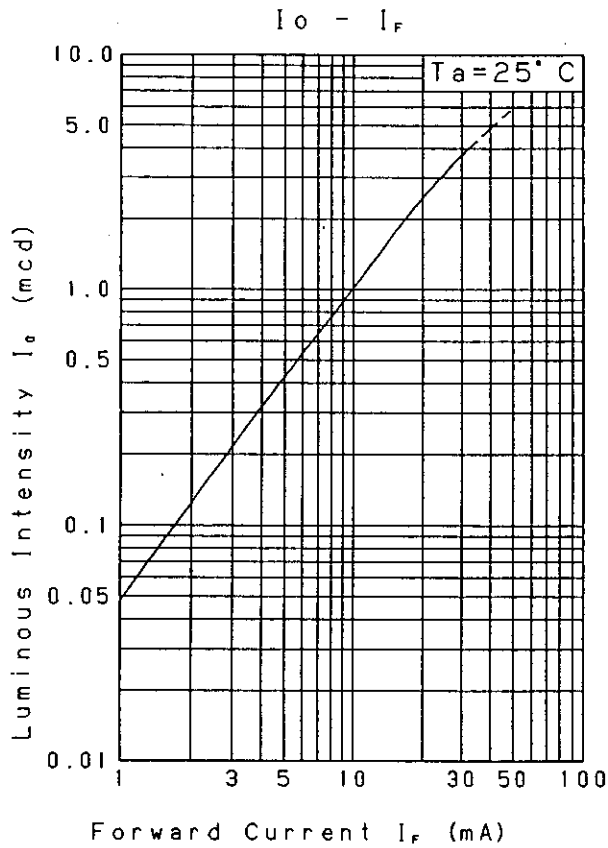
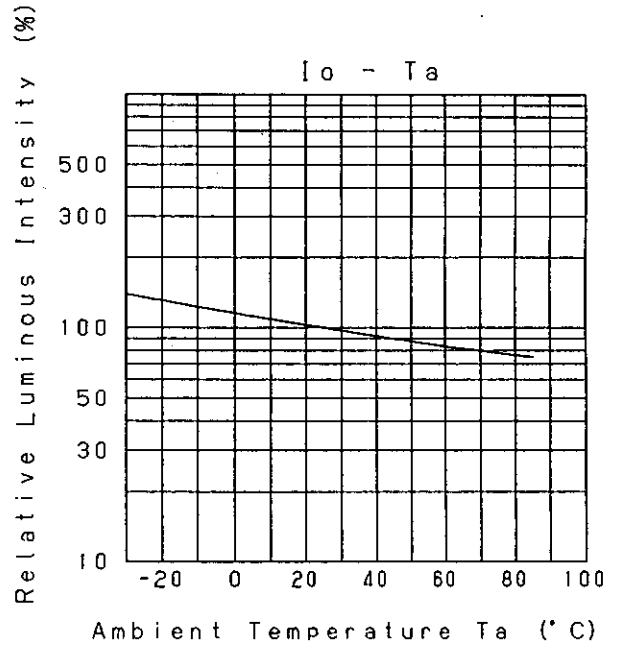
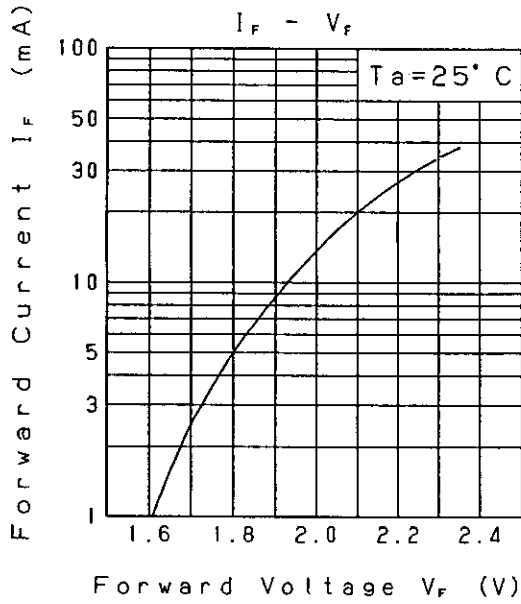
- ★1. Please contact the Panasonic local office if you design at low current (blow 1mA DC) or pulse current operation and have any questions.
- ★2. Soldering conditions...Refer to Handling note.
- ★3. Compositions of the lead .... Cu/Ni/Au plating
- ★4. Circuit to operate LED.



(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.

Oct. 18. 2001			

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		T. Tabata		
			P/N: LNJ811K8SRA	



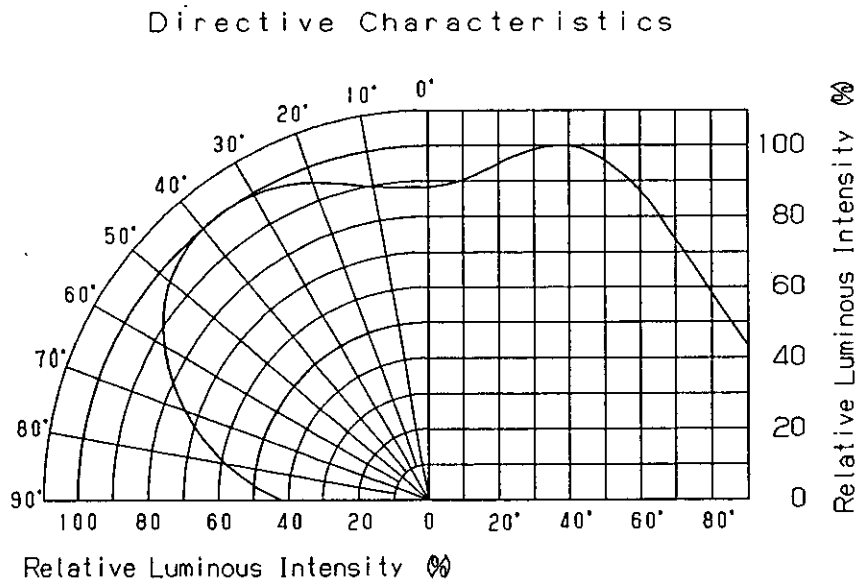
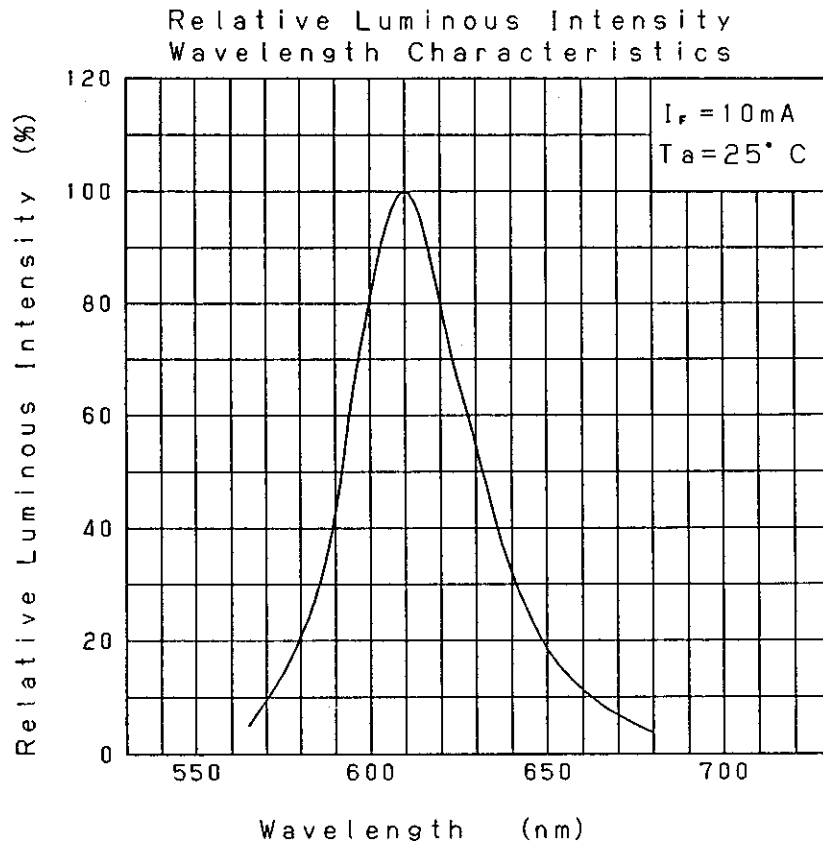
Oct.20.2001			
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Approved	Checked	Designed
		T. Tabata

DEVELOPMENT SPECIFICATION

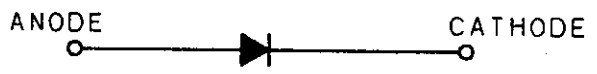
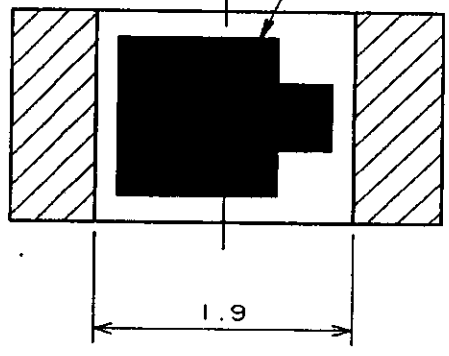
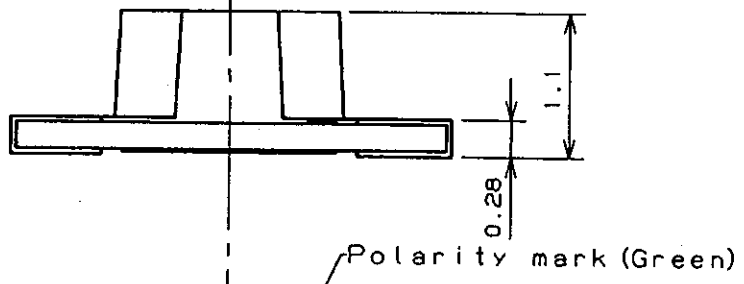
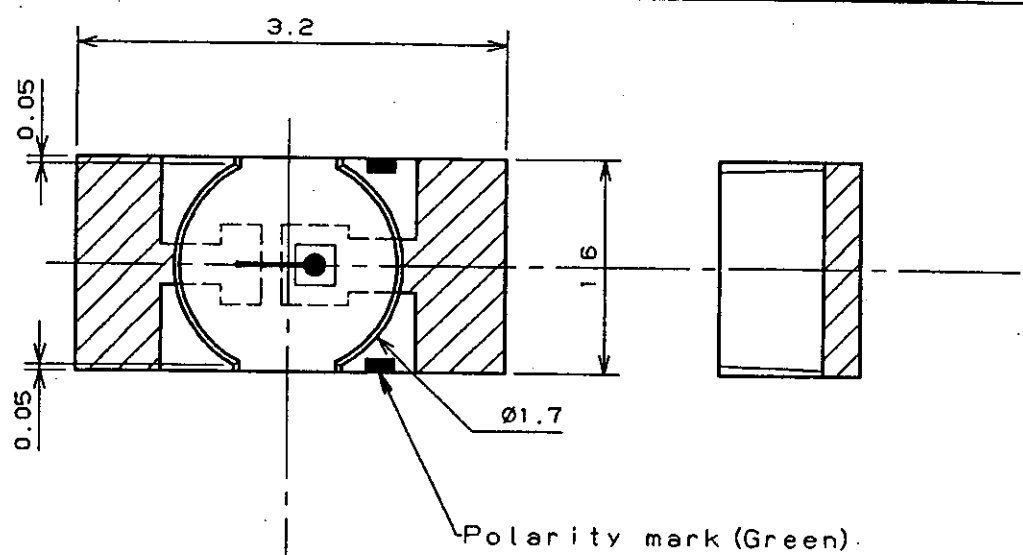
P/N: LNJ811K8SRA

TEMPORARY



Oct. 20. 2001

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION (OUTLINE)
<i>H. Yama</i>	<i>T. Shiba</i>	<i>T. Tabata</i>	
P/N: _____			



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

Jan. 14, 1989		