

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION	P/N: LNJ411K84RA	TEMPORARY
<i>T. Shoda</i>	<i>M. W.</i>	<i>T. Taketa</i>			

T Y P E	Amber Light Emitting Diode					
APPLICATION	Indicators					
MATERIAL	InGaAlP					
OUTLINE	Attached					
ABSOLUTE MAXIMUM RATINGS	P	*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					

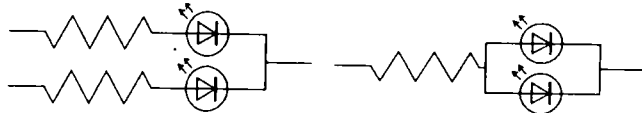
Test Specification

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> =10mA	2.0		2.5	V
Reverse Leakage Current	I <sub>R</sub>	V <sub>R</sub> = 4V			100	μA
Luminous Intensity	I <sub>O</sub>	I <sub>F</sub> =10mA DC	17	9.0		mcd
Peak Emission Wavelength	λ <sub>p</sub>	I <sub>F</sub> =10mA DC	595			nm
Spectral Line Half Width	Δλ	I <sub>F</sub> =10mA DC	15			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 (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)

(B)

- (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.

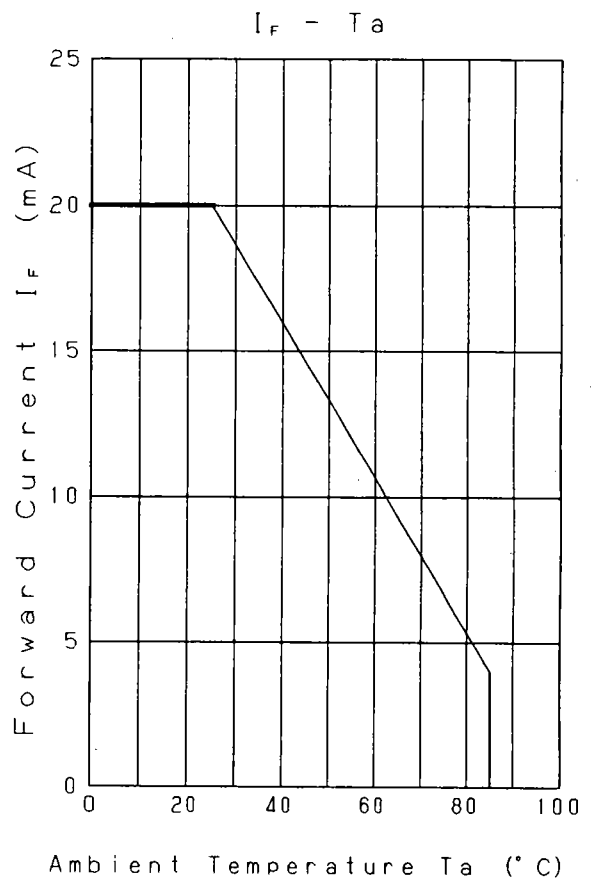
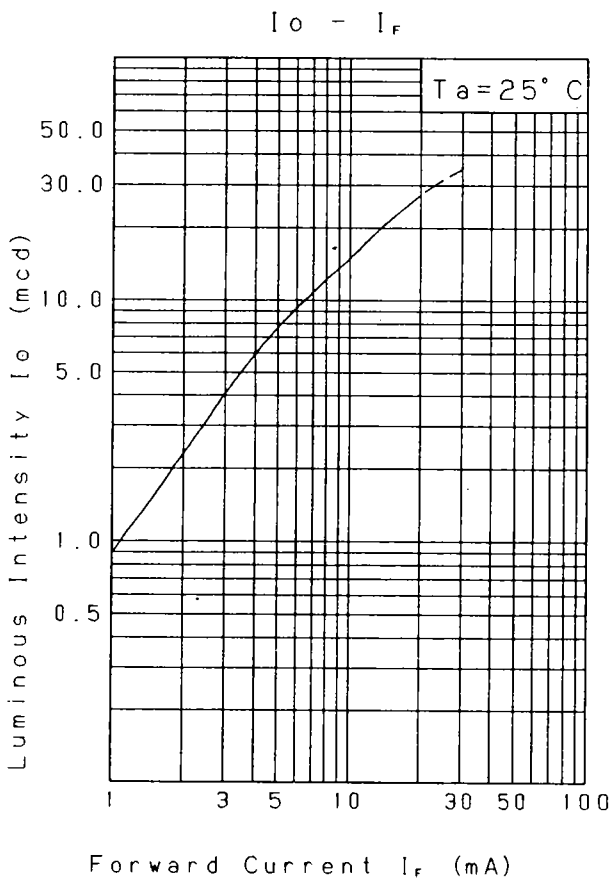
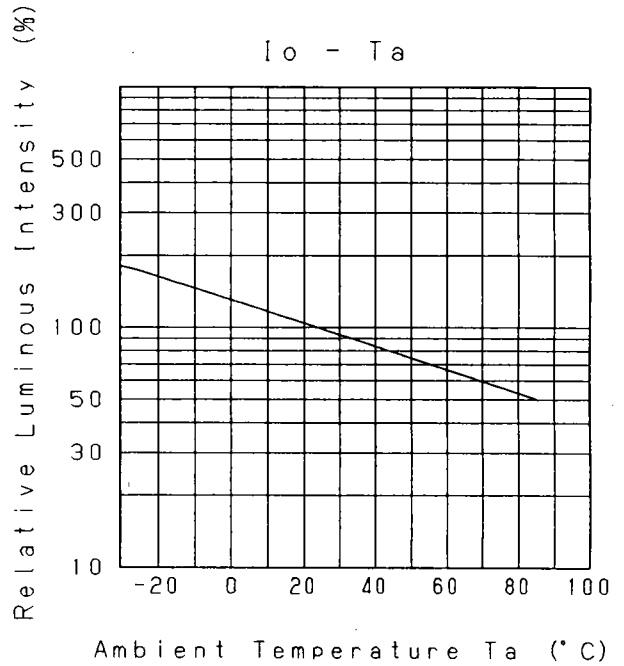
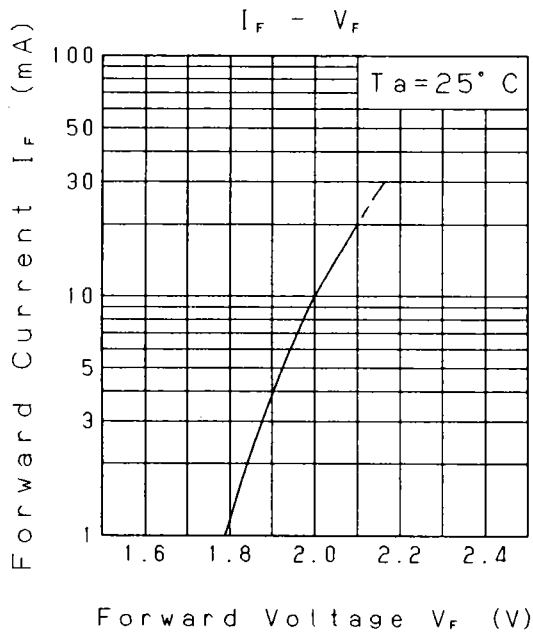
Jul. 25. 2001			

Approved <i>T. Akeda</i>	Checked <i>M. H.</i>	Designed <i>T. Tabata</i>
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TEMPORARY



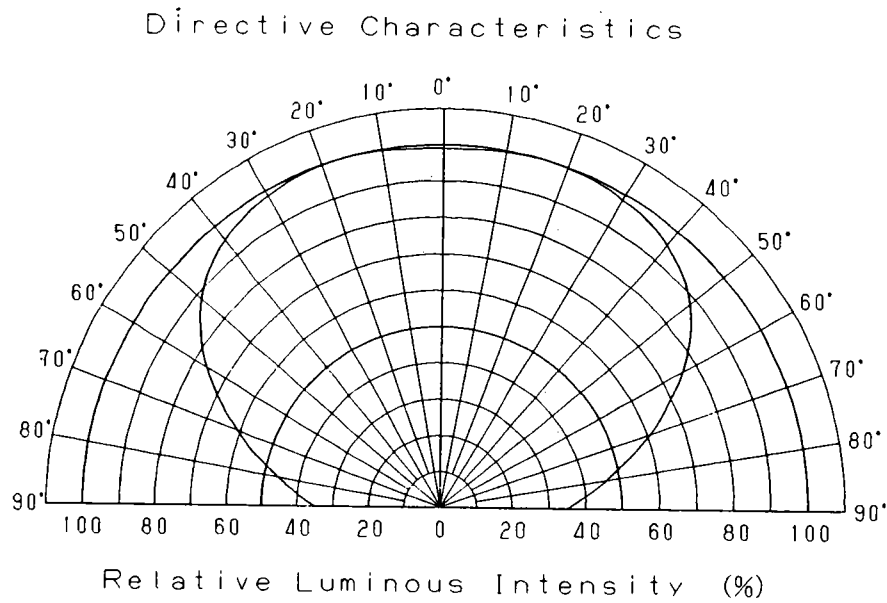
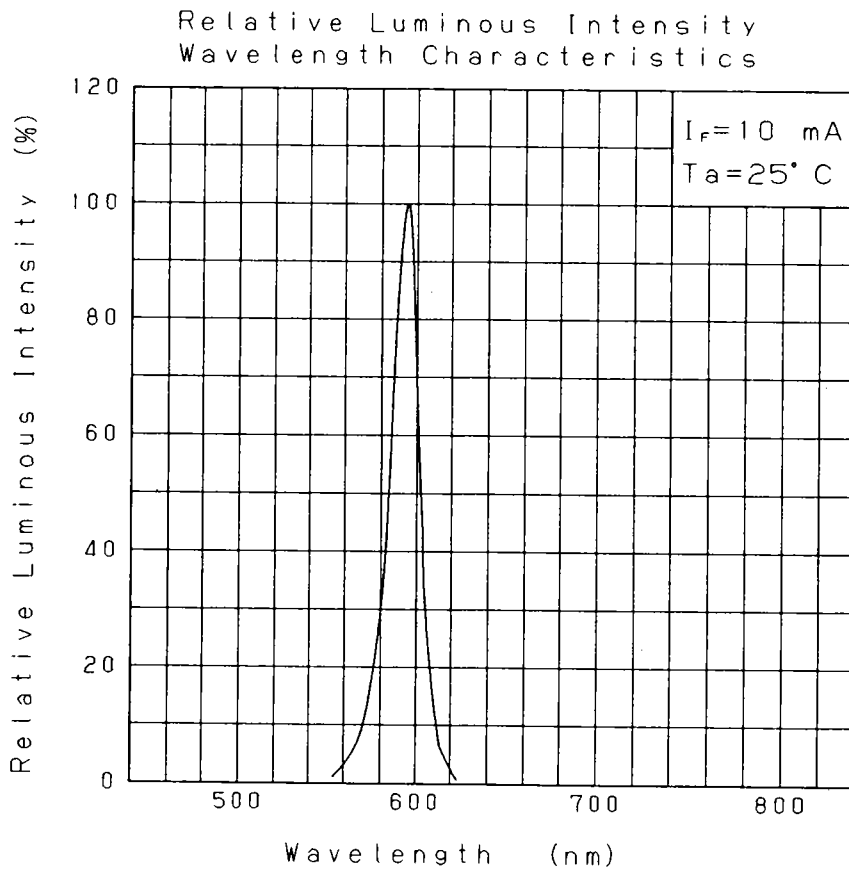
Jul. 25. 2001

Approved	Checked	Designed
<i>T. Shikata</i>	<i>M. Ichi</i>	<i>T. Tabata</i>

DEVELOPMENT SPECIFICATION

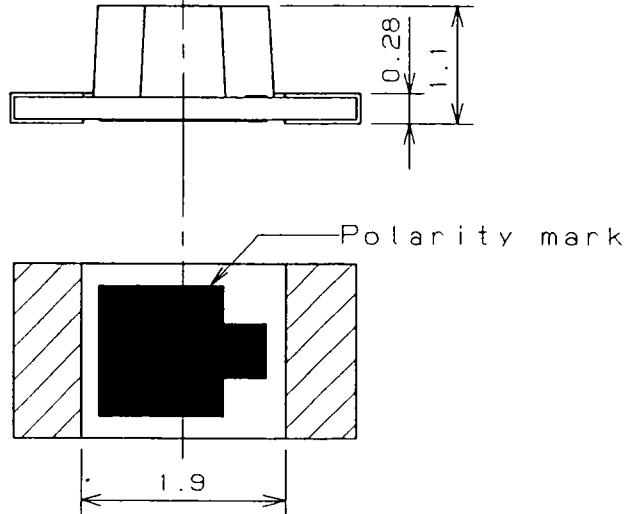
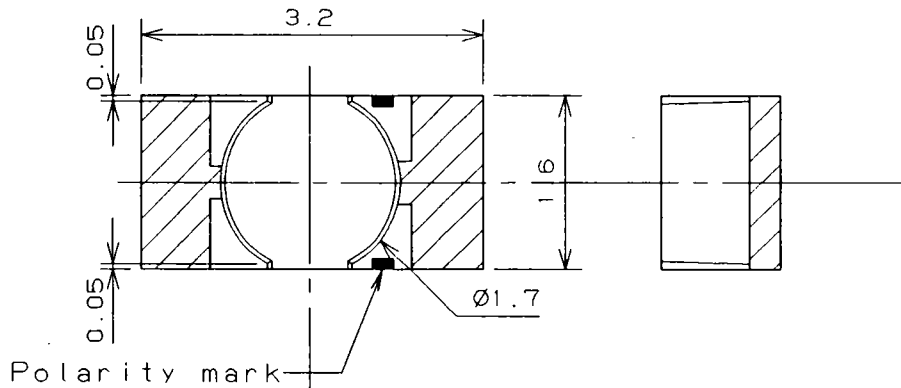
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TEMPORARY

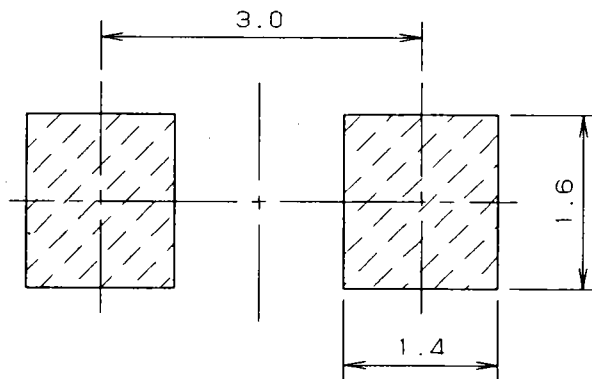


Apr. 20. 2001

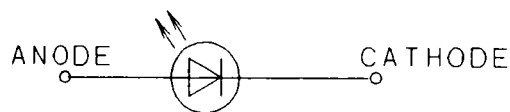
Approved	Checked	Designed	DEVELOPMENT SPECIFICATION (OUTLINE)		
T. Shioda	M. Hori	T. Takata		P/N: LNJ411K84RA	



Recommended Land Layout



Polarity



(NOTE)

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

Jul. 25. 2001			
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单击下面可查看定价，库存，交付和生命周期等信息

[>>Panasonic\(松下\)](#)