Approved	Checked	Designed
		K. Ozawa

DEVELOPMENT SPECIFICATION

Tentative

P／N：LNJ906W5BUX

T Y P E	Blue Light Emitting Diode
APPLICATION	Indicators
MATERIAL	GaN
OUTLINE	Attached

ABSOLUTE MAXIMUM RATINGS	P	※ I_{FP}	I_{FDC}	V_R	Topr	Tstg
	40 mW	50 mA	10 mA	5 V	-25～+85 ℃	-30～+100 ℃
CONDITION	Ta＝25±3 ℃					

Test Specification

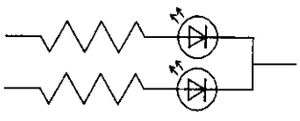
Item	Symbol	Condition	Typ	Limit		Unit
				Min	Max	
Forward Voltage	V_F	I_F= 5 mA	3.2		3.7	V
Reverse Leakage Current	I_R	V_R= 5 V			10	μA
Luminous Intensity	I_O	I_F= 5 mA・DC	5.5	2.0		mcd
Peak Emission Wavelength	λp	I_F= 5 mA・DC	470			nm
Spectral Line Half Width	⊿λ	I_F= 5 mA・DC	30			nm

※ ・ The Condition of I_{FP} is duty 10 %, Pulse width 10 ms

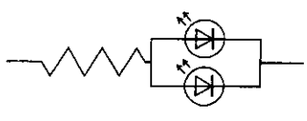
・ Please contact the Panasonic local office if you design at low current (below 1 mA DC) or pulse current operation and have any questions.

NOTE

1. Compositions of the lead … Cu/Ni/Au plating
2. Soldering conditions.
   Refer to Handling note.
3. Care should be taken that soldering is done within 3-days after opening the dry package and reel.
4. Package:Light white diffusion type.
5. A Blue LED is sensitive to static electricity and care should be fully taken in handlig it.
6. Circuit to operate LED.



(A)



(B)

(A) Recommended circuit.
(B) The difference of brightness between the LED could be found due to the V_F characteristics of each LED.

Oct. 27. 2001			

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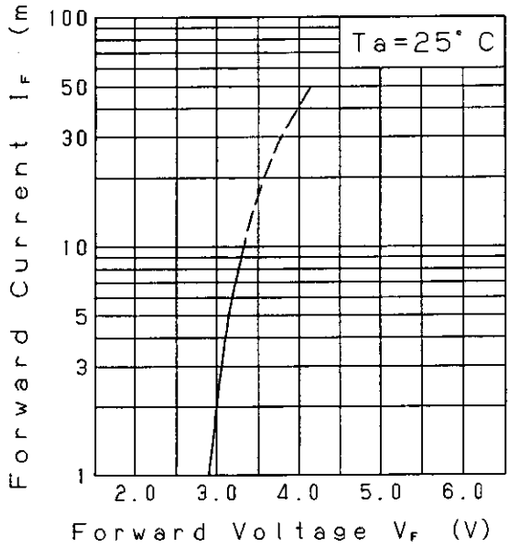
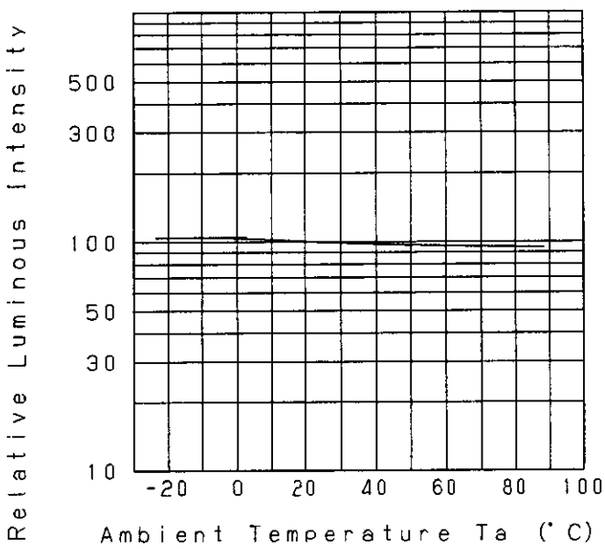
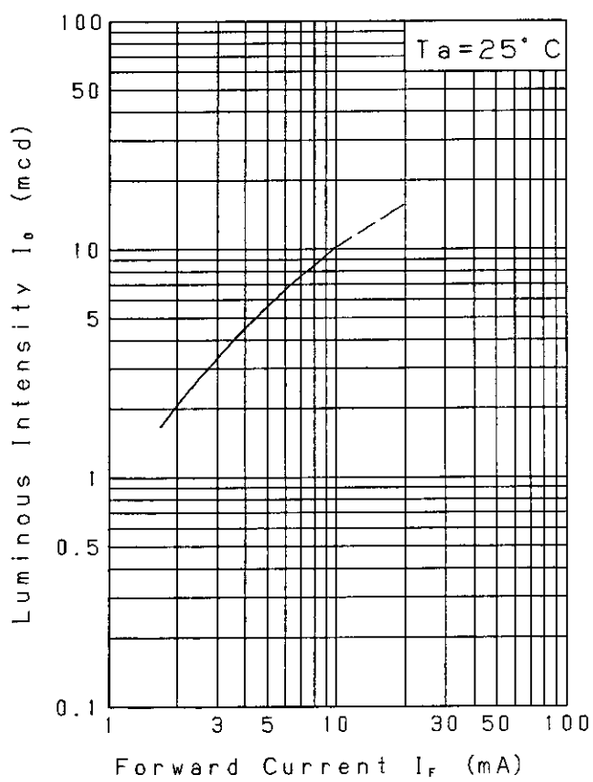
I_F - V_F



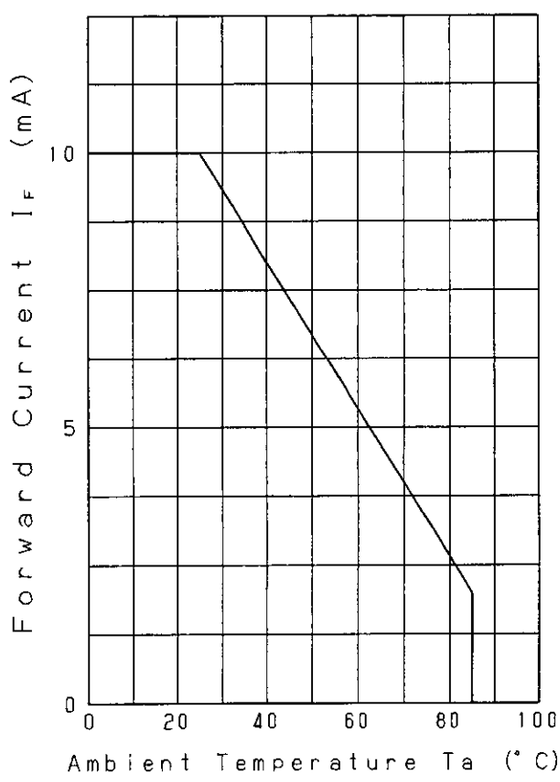
Io - Ta



I_o - I_F



I_F - Ta



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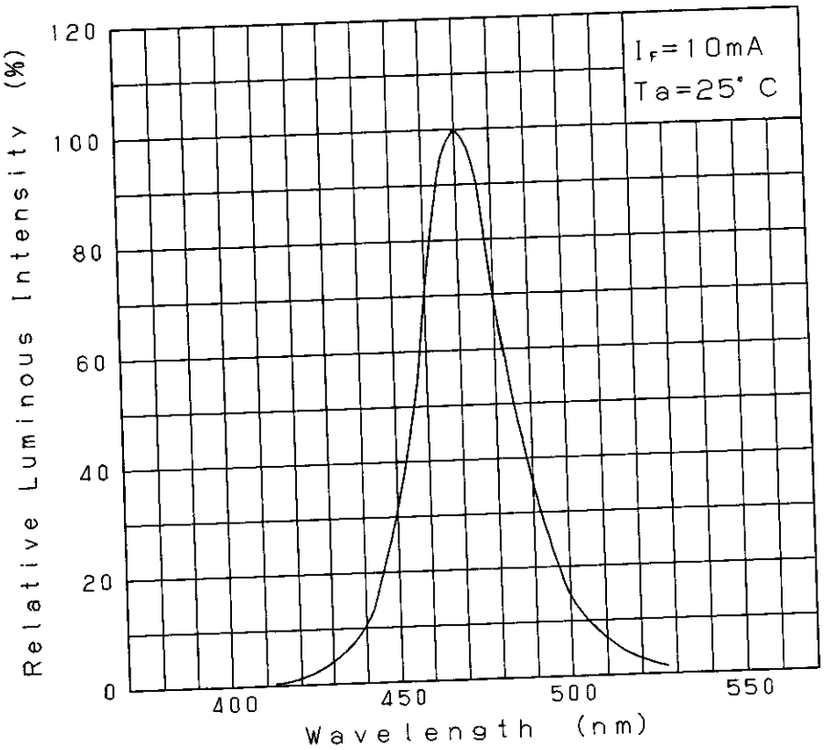
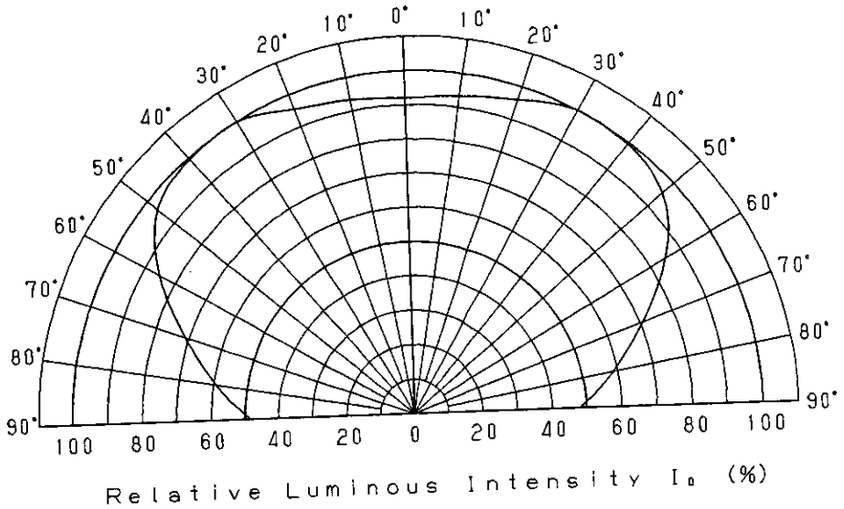
		K. Gomo	Tentative	
			P/N:LNJ906W5BUX	

Relative Luminous Intensity
Wavelength Characteristics

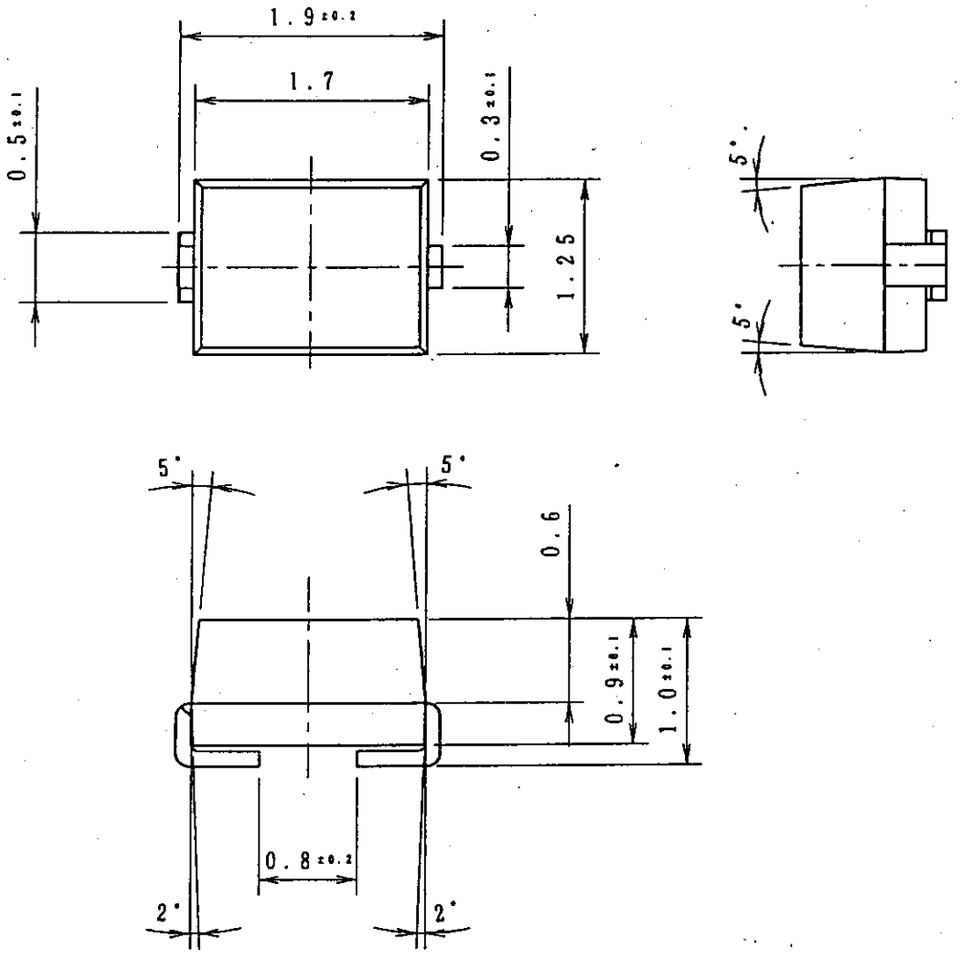


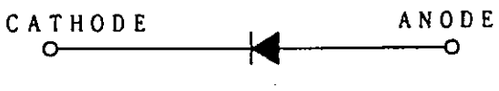
Derective Characteristics



Oct.27.2001			

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION (OUTLINE) P/N:	





(NOTE)
1. Unit: mm
2. Tolerance unless specified is ±0.2.
3. Measurement of the package doesn't include gate projection.
4. Corner of the package is R 0.2max.
5. Projection's tolerance of the package is 0.2max.

Nov. 27. 1996			