

Approved	Checked	Designed	DEVELOPMENT SPECIFICATION				
		T. Tabata		P/N: LNJ012X8BRA			

TYPE	White Light Emitting Diode					
APPLICATION	Indicators					
MATERIAL	GaN					
OUTLINE	Attached					
ABSOLUTE MAXIMUM RATINGS	P	I _{FDC}	*1 I _{FP}	V _R	Topr	Tstg
	40 mW	10 mA	50 mA	5 V	-30~+85 °C	-40~+100 °C
CONDITION	Ta = 25 ± 3 °C					

Test Specification						
Item	Symbol	Condition	Typ.	Limit		Unit
				Min.	Max.	
Forward Voltage	V _F	I _F = 10 mA · DC	3.2		3.7	V
Reverse Leakage Current	I _R	V _R = 5 V			10	μA
Luminous Intensity *2	I _O	I _F = 10 mA · DC	76	47		mcd
Chromatic coordinates	x	I _F = 10 mA · DC	-	0.260	0.355	-
	y	I _F = 10 mA · DC	-	0.247	0.383	-

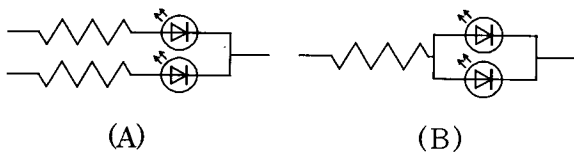
*1 · The Condition of I_{FP} is duty 10 %, Pulse width 1 ms.
 · Please contact the Panasonic local office if you design at low current (below 1 mA DC) or pulse current operation and have any questions.

*2 · Tolerance of luminous intensity is ±20 %.

NOTE

- Soldering conditions. Refer to Handling note.
- Package; light white diffusion type
- Care should be taken that soldering is done within 7-days after opening the dry package and reel.

Circuit model

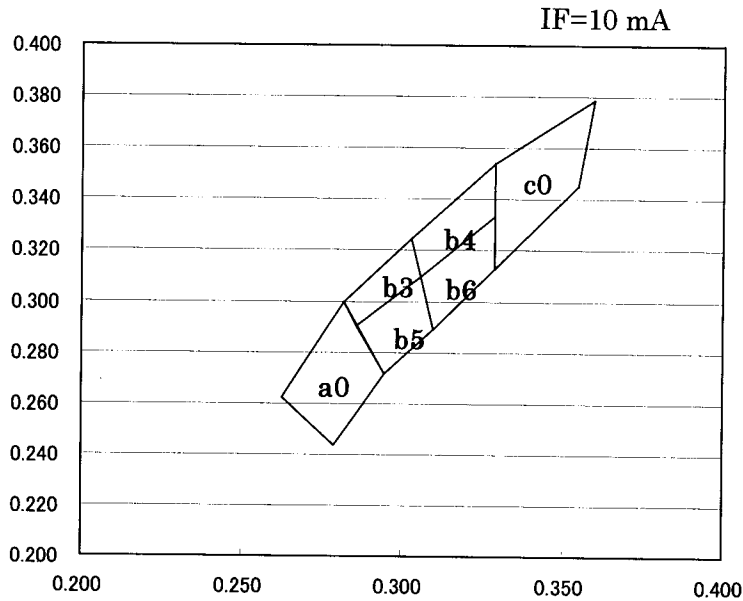


(A) Recommended circuit.
 (B) The difference of brightness between the LED could be found due to the V_F characteristics of each LED.

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Classification of Chromatic coordinates



Ranks	x	y
a0	0.275	0.247
	0.291	0.275
	0.278	0.304
	0.260	0.266
b3	0.282	0.294
	0.302	0.314
	0.299	0.329
	0.278	0.304
b4	0.302	0.314
	0.325	0.338
	0.325	0.359
	0.299	0.329

Ranks	x	y
b5	0.291	0.275
	0.306	0.293
	0.302	0.314
	0.282	0.294
b6	0.306	0.293
	0.325	0.317
	0.325	0.338
	0.302	0.314
c0	0.325	0.317
	0.350	0.350
	0.355	0.383
	0.325	0.359

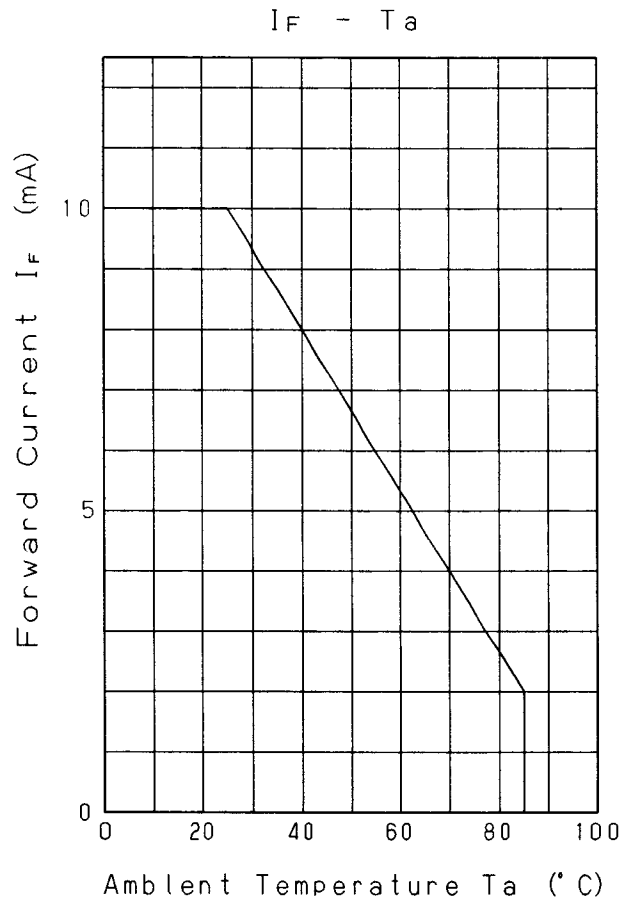
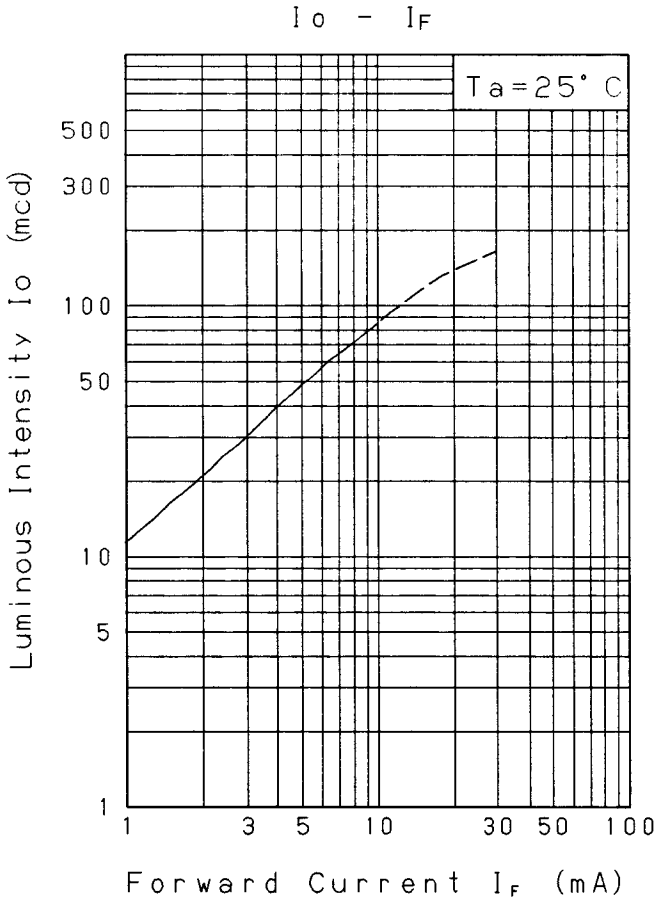
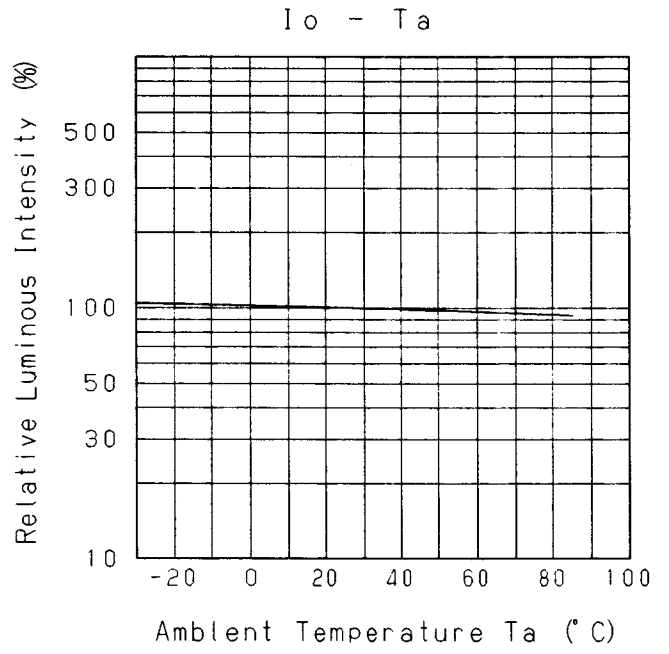
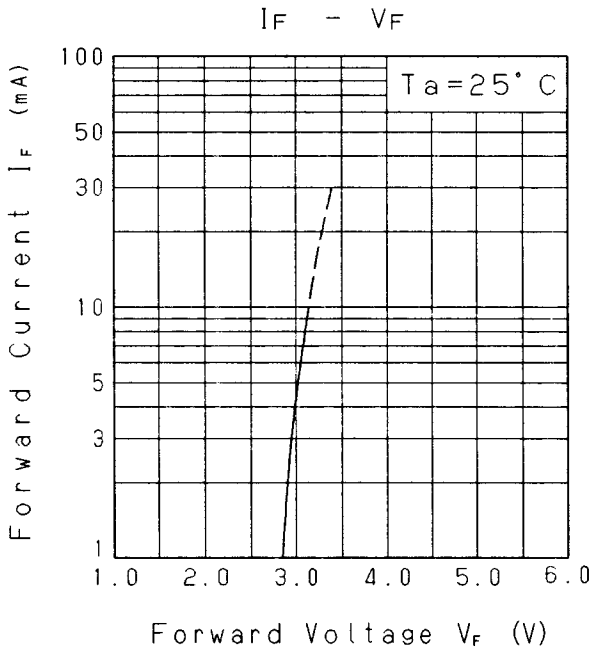
1. Chromatic coordinates will change by the level of operating current.
2. 6ranks classification of chromatic coordinates is available.
3. Tolerance of chromatic coordinates measurement is ± 0.02 .

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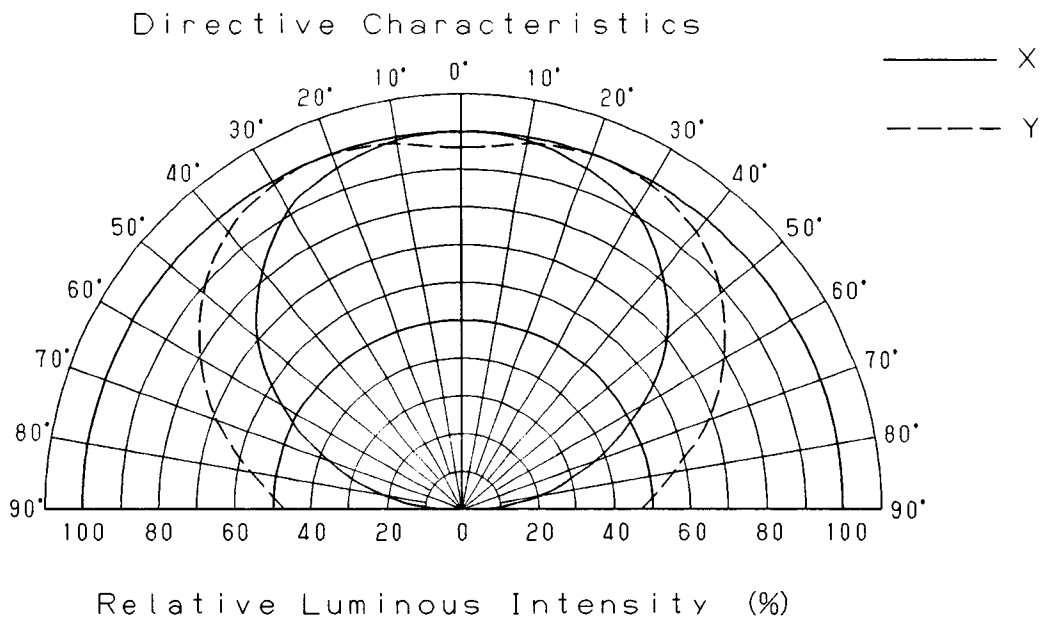
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		<i>T. Takata</i>

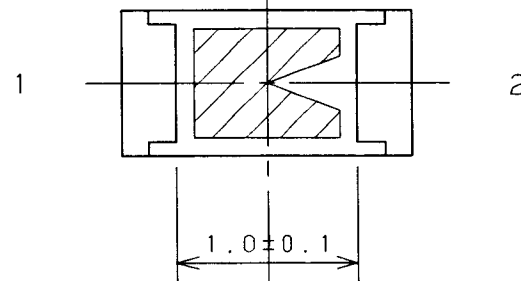
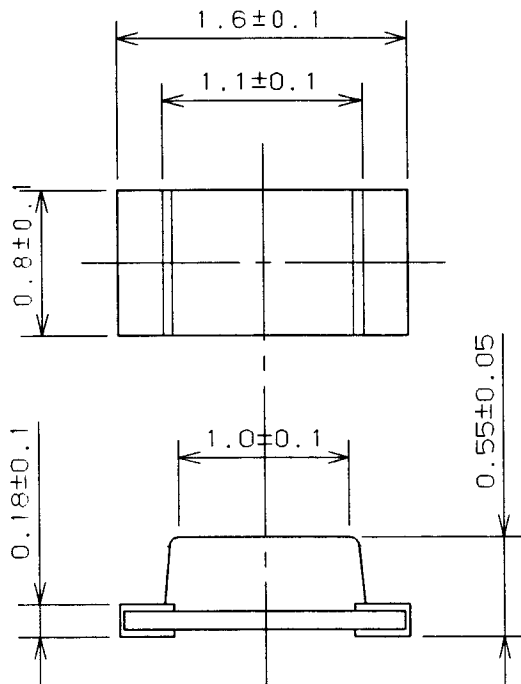
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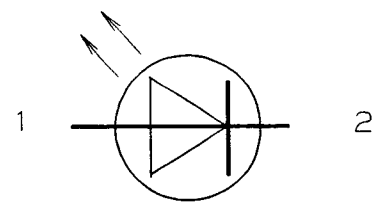


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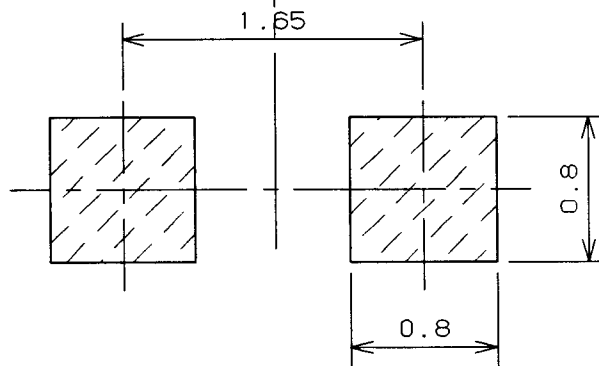


Polarity



1. Anode
2. Cathode

Recommended land layout



(NOTE)

- 1. Tolerance unless specified is ± 0.15 .
- 2. Unit: mm

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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

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