

# LN1251CALTR

## High Bright Surface Mounting Chip LED

J Type

■ Absolute Maximum Ratings  $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Power dissipation	$P_D$	45	mW
Forward current	$I_F$	15	mA
Pulse forward current *	$I_{FP}$	60	mA
Reverse voltage	$V_R$	3	V
Operating ambient temperature	$T_{opr}$	-25 to +80	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-30 to +85	$^\circ\text{C}$

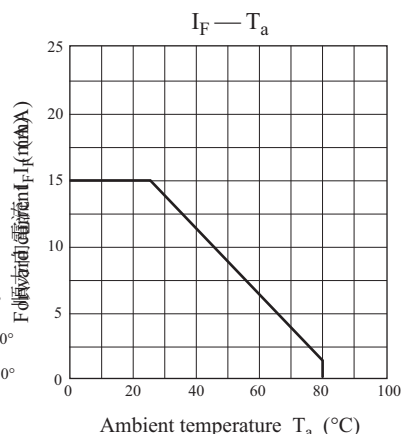
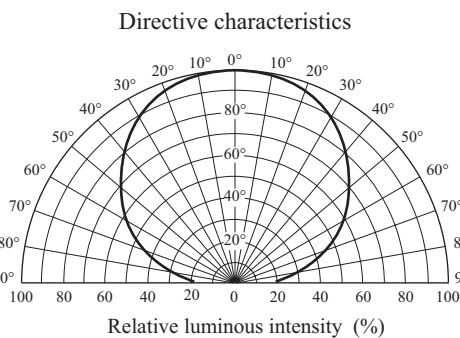
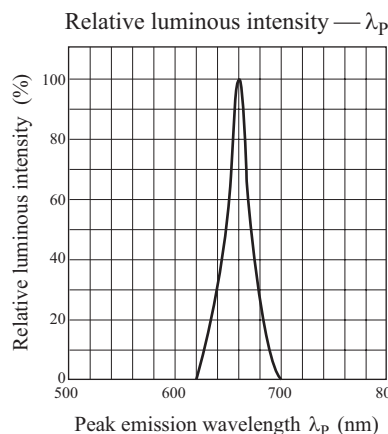
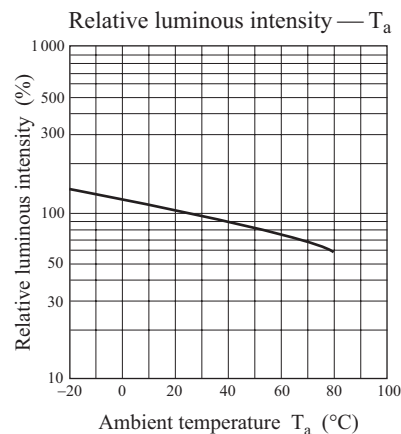
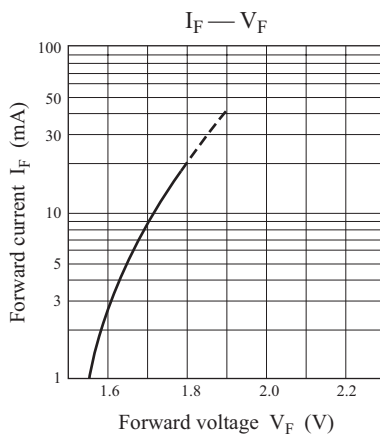
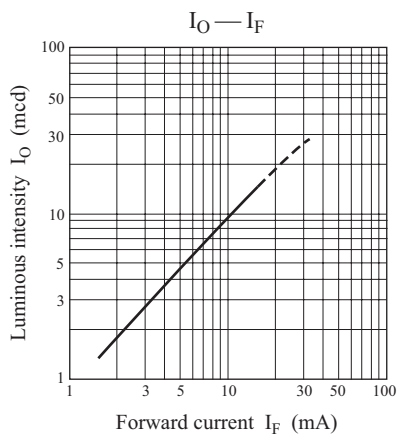
Note) \*: The condition of  $I_{FP}$  is duty 10%, Pulse width 1 msec.

■ Lighting Color

- Red

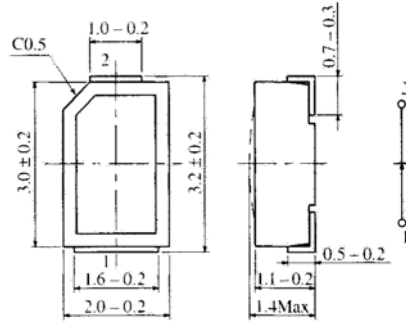
■ Electro-Optical Characteristics  $T_a = 25^\circ\text{C}$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity	$I_O$	$I_F = 10\text{ mA}$	3.3	9.0		mcd
Reverse current	$I_R$	$V_R = 3\text{ V}$			100	$\mu\text{A}$
Forward voltage	$V_F$	$I_F = 15\text{ mA}$		1.75	2.6	V
Peak emission wavelength	$\lambda_p$	$I_F = 15\text{ mA}$		660		nm
Spectral half band width	$\Delta\lambda$	$I_F = 15\text{ mA}$		20		nm



■ Package (Unit: mm)

LLDFTR2G5110



- Pin name
  - 1: Anode
  - 2: Cathode

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reliability are required, or if the failure or malfunction of the prod-

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take into the consideration of incidence of break down and failure  
n the systems such as redundant design, arresting the spread of fire  
al injury, fire, social damages, for example, by using the products.

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mounting or at customer's process. When using products for which  
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