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DATE SHEET

PART NO : L-3121IT

REV : A/3

CUSTOMER'S APPROVAL: _____ DCC: _____

DRAWING NO : DS-3 ㄘ -0012 DATE : 2008-02-29 Page : 1

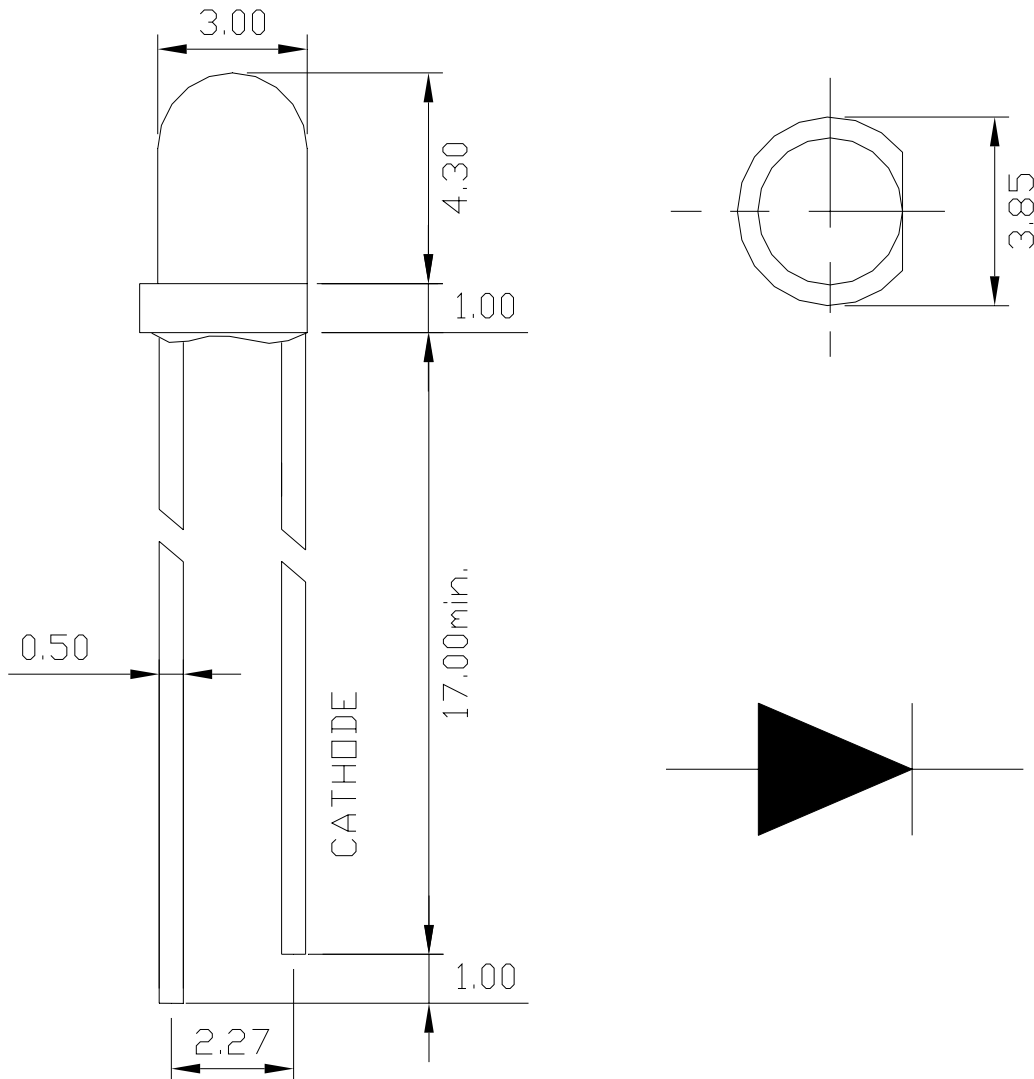


3.0 mm DIA LED LAMP

L-3121IT

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PACKAGE DIMENSIONS



Notes:

- 1、 All dimension are in millimeter.
- 2、 Tolerance is ± 0.25 mm unless otherwise specified.



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FEATURES

- * 3.0mm DIA LED LAMP
- * LOW POWER CONSUMPTION
- * LONG LIFE SOLID STATE RELIABILITY
- * Pb FREE PRODUCTS

CHIP MATERIALS

- * Dice Material : GaAIAs
- * Light Color : RED
- * Lens Color : RED TRANSPARENT

ABSOLUTE MAXIMUM RATING : (Ta=25)

SYMBOL	DESCRIPTION	RED	UNIT
PD	Power Dissipation Per Chip	75	mW
VR	Reverse Voltage Per Chip	5	V
IF	Average Forward Current Per Chip	30	mA
IPF	Peak Forward Current Per Chip (Duty=0.1,1KHZ)	120	mA
-	Derating Linear From 25°C Per Chip	0.4	mA/°C
Topr	Operating Temperature Range	-40°C to 85°C	
Tstg	Storage Temperature Range	-40°C to 85°C	

◆ ELECTRO-OPTICAL CHARACTERISTICS : (Ta = 25°C)

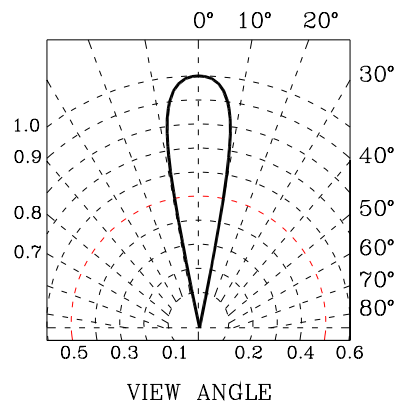
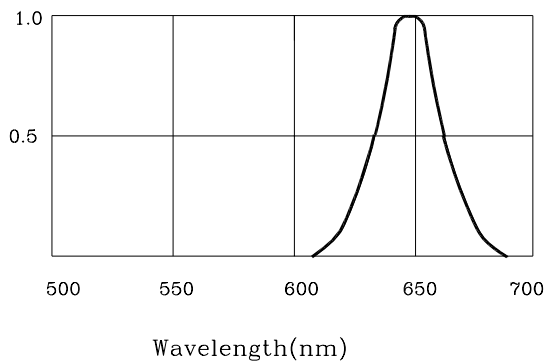
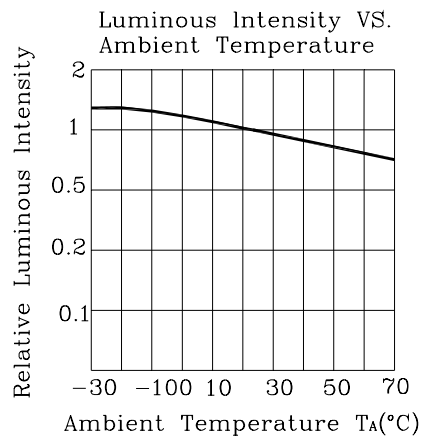
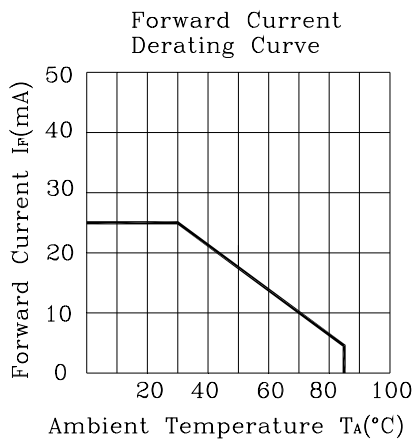
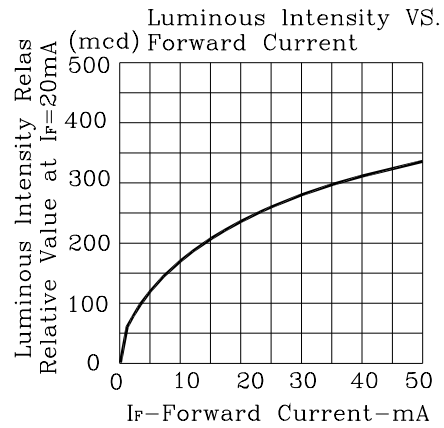
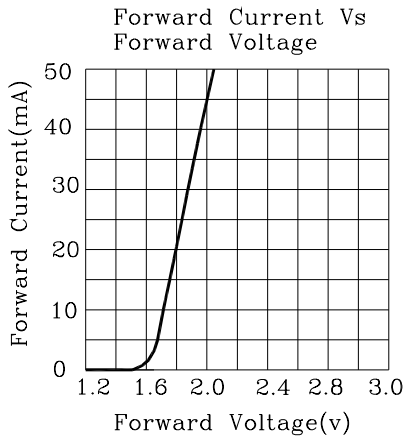
SYMBOL	PARAMETER	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
VF	Forward Voltage	IF=20mA		1.8	2.2	V
IR	Reverse Current	VR=5V			100	μA
λD	Dominant Wavelength	IF=20mA		645		nm
Δλ	Spectral Line Half - Width	IF=20mA		30		nm
2θ1/2	Half Intensity Angle	IF=20mA		20		deg
IV	Luminous Intensity	IF=20mA		240		mcd



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