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DATA SHEET

PART NO. : L-5N3ID

REV : A / 0

CUSTOMER'S APPROVAL : _____

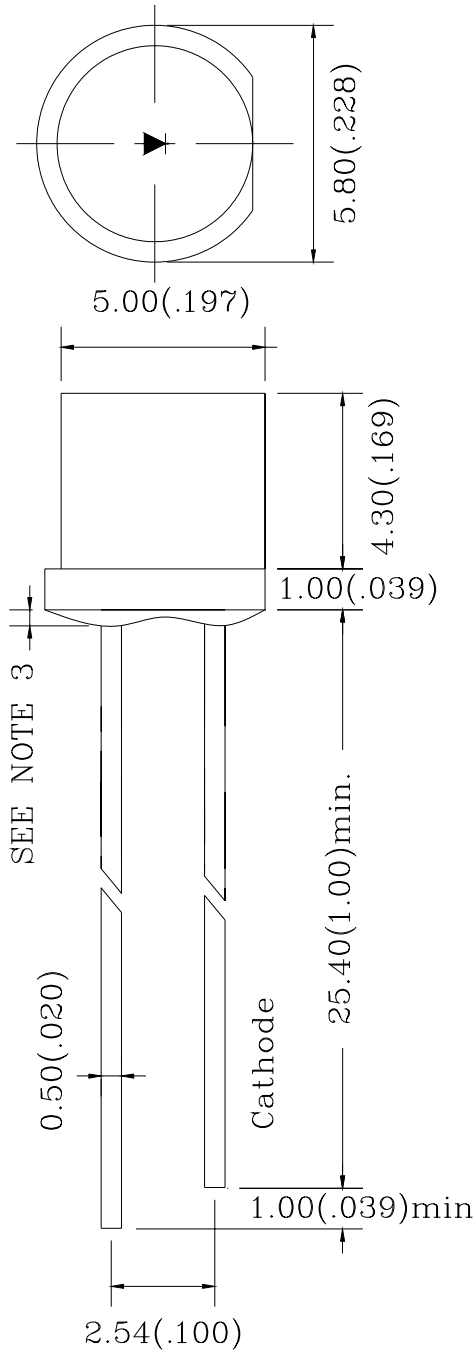
DCC : _____

DRAWING NO. : DS-35-03-0396

DATE : 2003-06-23

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PACKAGE DIMENSIONS



Note:

1. All Dimensions are in millimeters.
2. Tolerance is $\pm 0.25\text{mm}$ (0.010 ") Unless otherwise specified.
3. Protruded resin under flange is 1.5mm (0.059 ") max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specification are subject to change without notice

FEATURES

- * 5.0 mm DIA CYLINDRICAL LED LAMP
- * LOW POWER CONSUMPTION
- * I.C. COMPATIBLE
- * LONG LIFE SOLID STATE RELIABILITY

CHIP MATERIALS

- * Dice Material : GaAlAs/GaAs
- * Light Color : RED
- * Lens Color : RED DIFFUSED

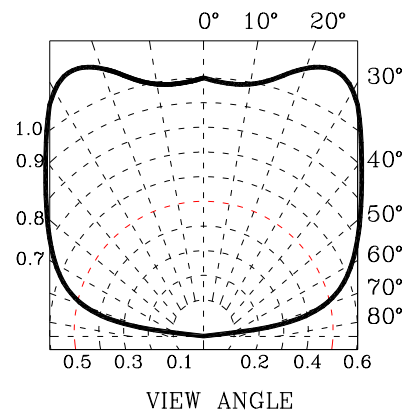
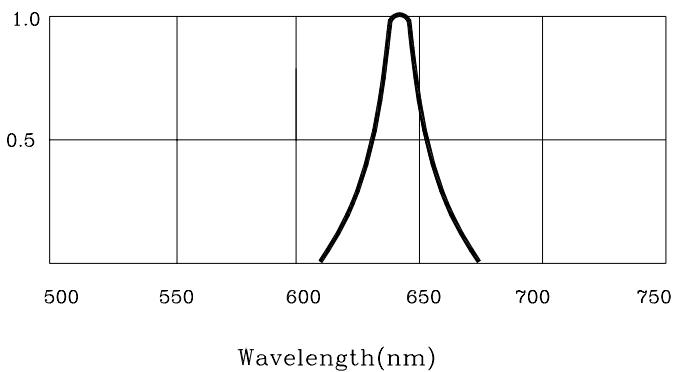
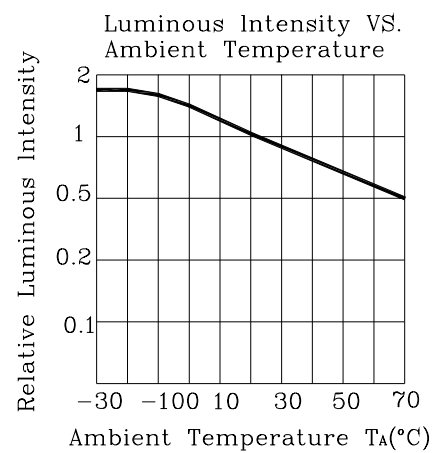
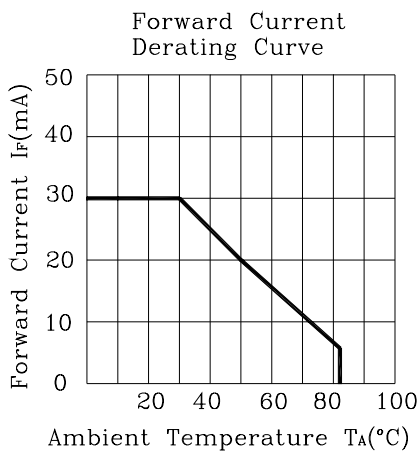
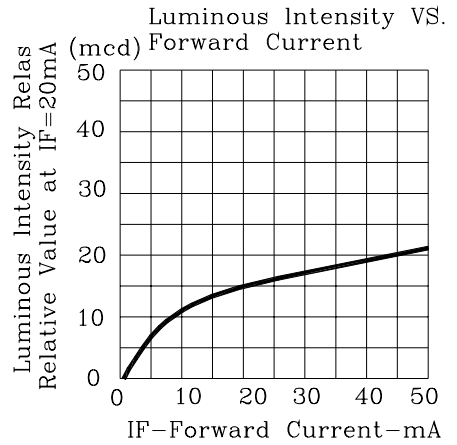
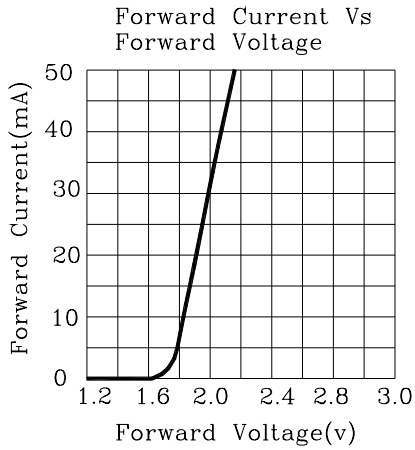
ABSOLUTE MAXIMUM RATING : (Ta = 25°C)

SYMBOL	PARAMETER	RED	UNIT
PAD	Power Dissipation Per Chip	75	mW
VR	Reverse Voltage Per Chip	5	V
IAF	Continuous Forward Current Per Chip	30	mA
IPF	Peak Forward Current Per Chip (Duty – 0.1, 1KHz)	200	mA
—	Derating Linear From 25°C Per Chip	0.40	mA/°C
Topr	Operating Temperature Range	-25°C to 100°C	
Tstg	Storage Temperature Range	-40°C to 100°C	

Lead Soldering Temperature { 1.6mm(0.063 inch) From Body } 250°C ± 5°C for 3 Seconds

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

SYMBOL	PARAMETER	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
VF	Forward Voltage	IF = 20mA		1.9	2.5	V
IR	Reverse Current	VR = 5V			100	μA
λD	Dominant Wavelength	IF = 20mA		643		nm
Δλ	Spectral Line Half-Width	IF = 20mA		20		nm
2θ1/2	Half Intensity Angle	IF = 20mA		140		deg
IV	Luminous Intensity	IF = 20mA		15		mcd



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