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DATA SHEET

PART NO. : L-955YC-TR

REV : A / 0

CUSTOMER'S APPROVAL : _____

DCC : _____

DRAWING NO. : DS-31-03-0180

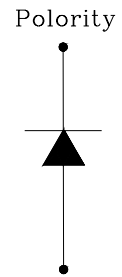
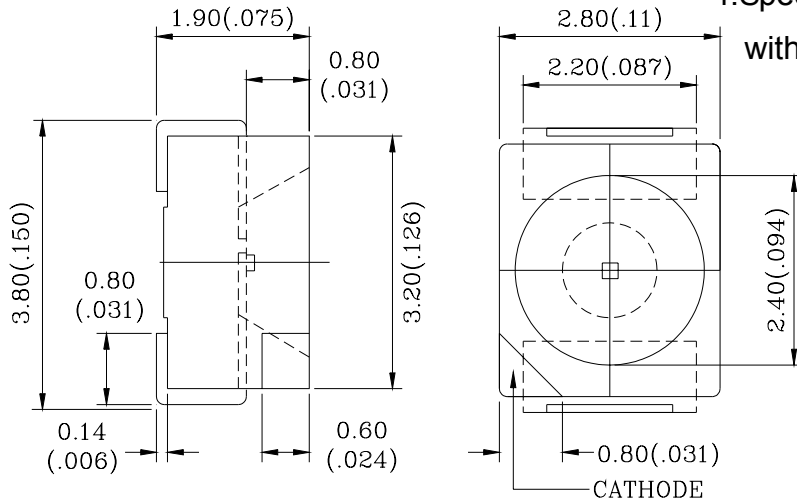
DATE : 2003-12-01

Page : 1

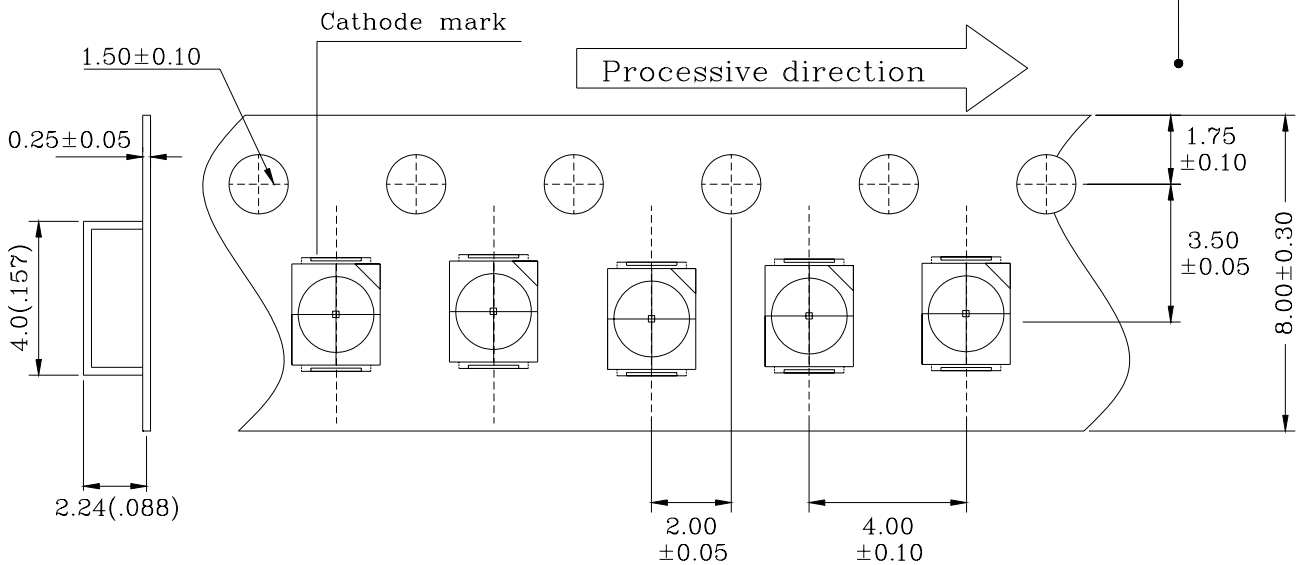
PACKAGE DIMENSIONS

Note:

- 1.All Dimensions are in millimeters.
- 2.Tolerance is $\pm 0.10\text{mm}$ (0.004 ")
Unless otherwise specified.
- 3.Lead spacing is measured where the leads emerge from the package.
- 4.Specification are subject to change without notice



TAPE SPECIFICATIONS:



FEATURES

- * HIGH BRIGHTNESS SURFACE MOUNT LED
- * 120° VIEWING ANGLE
- * SMALL PACKAGE OUTLINE (L*W*H)OF 2.8*3.2*1.9MM)
- * QUALIFIED ACCORDING TO JEDEC MOISTURE SENSITIVITY LEVEL 2
- * COMPATIBLE TO BOTH IR REFLOW SOLDERING AND TTW SOLDERING

CHIP MATERIALS

- * Dice Material : GaAsP
- * Light Color : YELLOW
- * Lens Color : WATER CLEAR

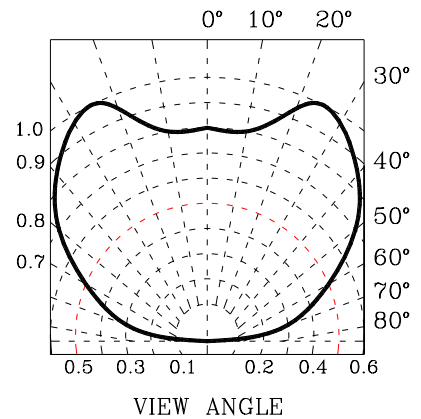
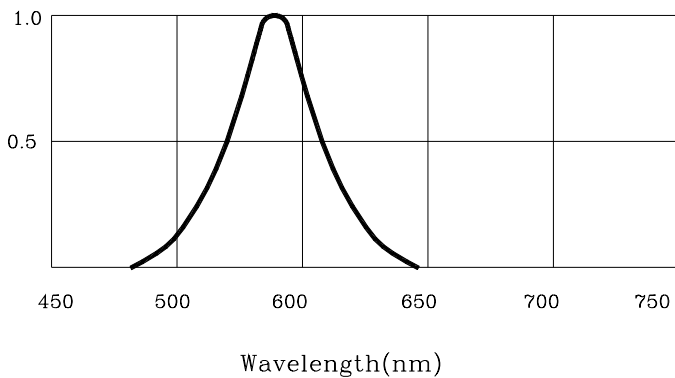
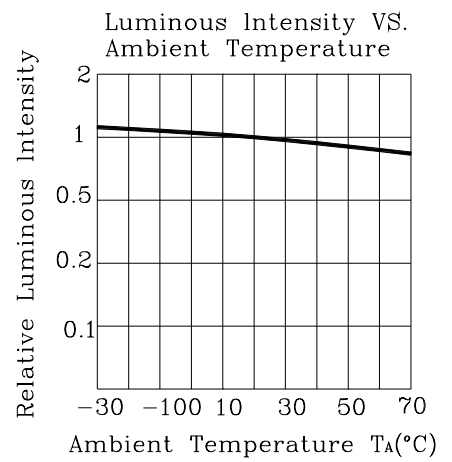
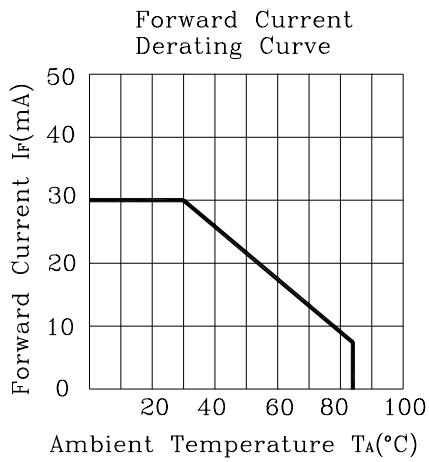
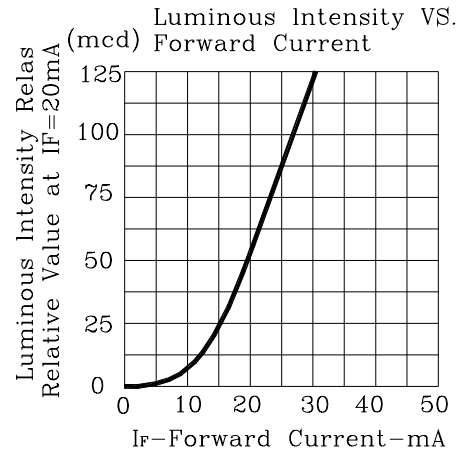
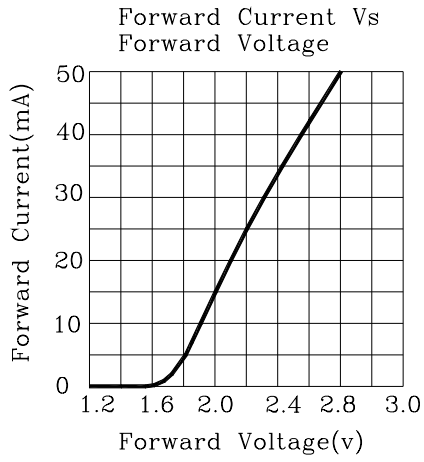
ABSOLUTE MAXIMUM RATING : (Ta = 25°C)

SYMBOL	PARAMETER	YELLOW	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)	60	mA
—	Derating Linear From 25°C Per Chip	0.40	mA/°C
Topr	Operating Temperature Range	-40°C to +100°C	
Tstg	Storage Temperature Range	-40°C to+100°C	

Lead Soldering Temperature { 1.6mm(0.063 inch) From Body } 260°C ± 5°C for 5 Seconds

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

SYMBOL	PARAMETER	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
VF	Forward Voltage	IF = 20mA		2.1	2.6	V
IR	Reverse Current	VR = 5V			100	μA
λD	Dominant Wavelength	IF = 20mA		587		nm
Δλ	Spectral Line Half-Width	IF = 20mA		35		nm
2θ1/2	Half Intensity Angle	IF = 20mA		120		deg
IV	Luminous Intensity	IF = 20mA	28.5		71.5	mcd



Recommended IR-reflow Soldering Profile (acc. to IPC 9501).

