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DATA SHEET

PART NO. : L-965EGC-TR

REV : A / 2

CUSTOMER'S APPROVAL : _____

DCC : _____

DRAWING NO. : DS-31-02-0046

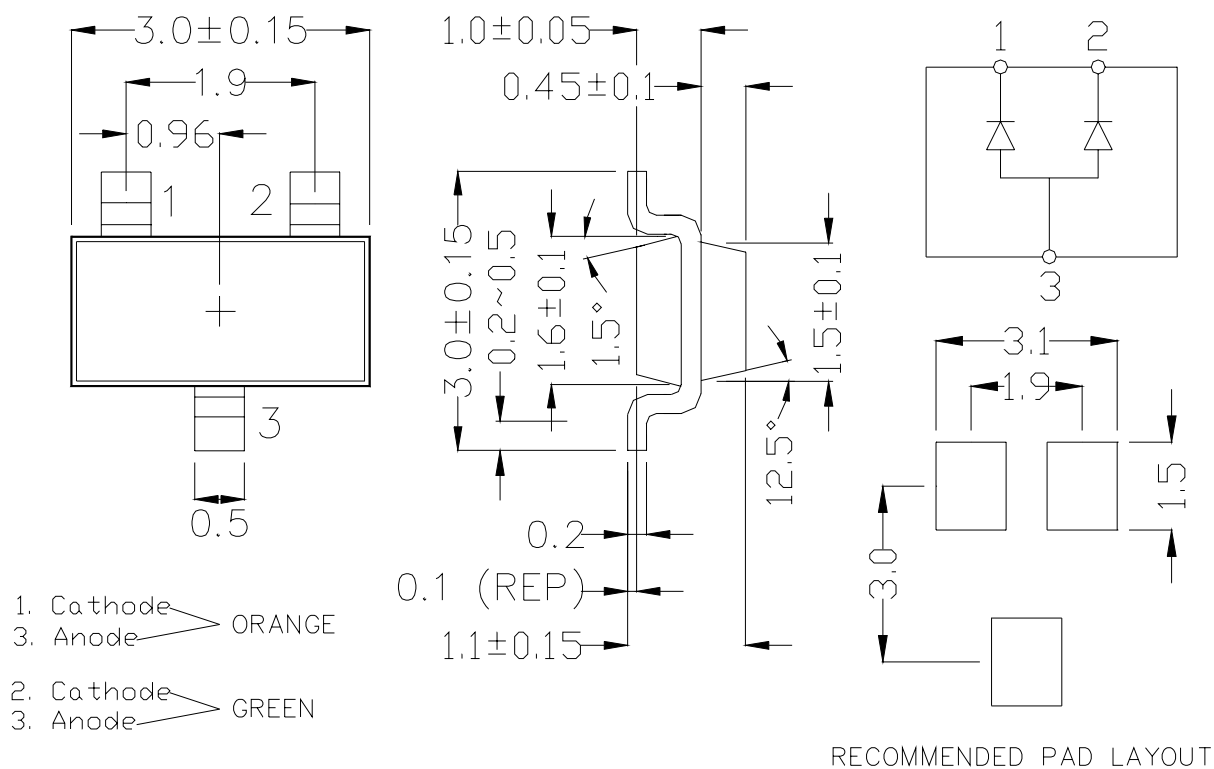
DATE : 2004-04-12

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



FEATURES

- * 3.0*1.5mm DIA SURFACE MOUNT LED
- * LOW CURRENT REQUIREMENT
- * WIDE VIEWING ANGLE
- * AXIAL LEADS
- * LOW POWER CONSUMPTION

CHIP MATERIALS

- * Dice Material : GaAsP & GaP
- * Light Color : MULTICOLOR(RED&YELLOW GREEN)
- * Lens Color : WATER CLEAR

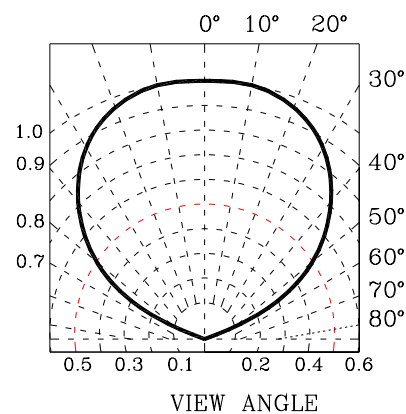
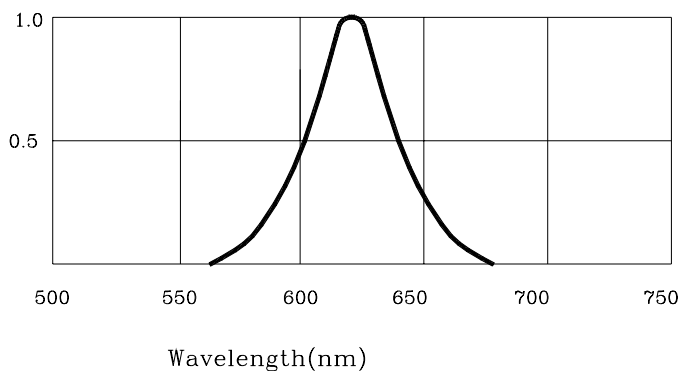
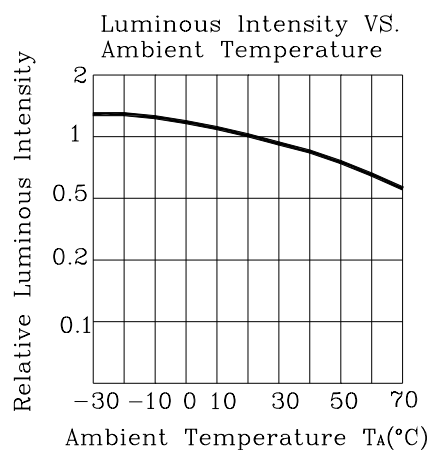
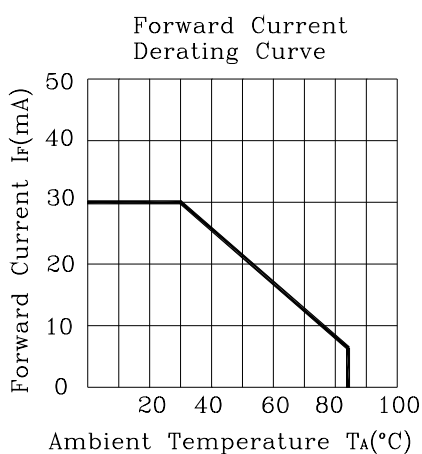
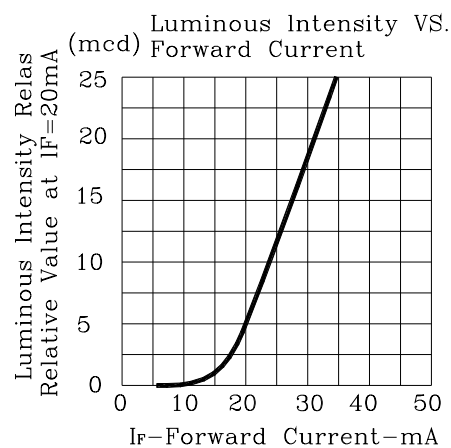
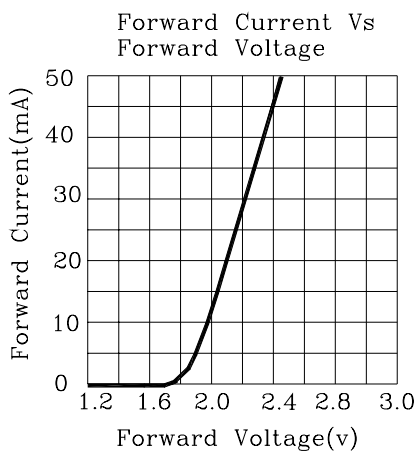
ABSOLUTE MAXIMUM RATING:(Ta=25°C)

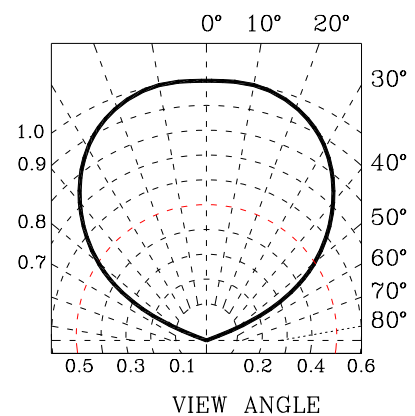
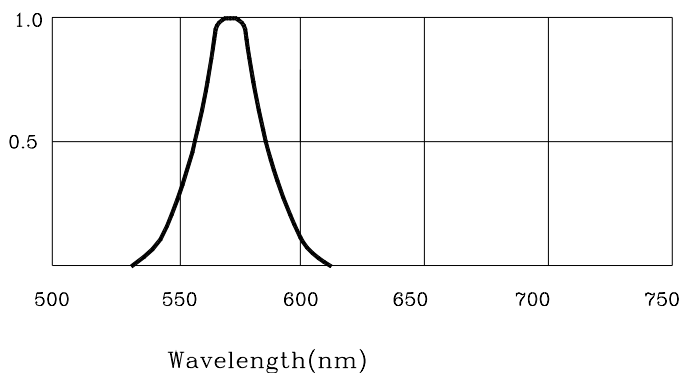
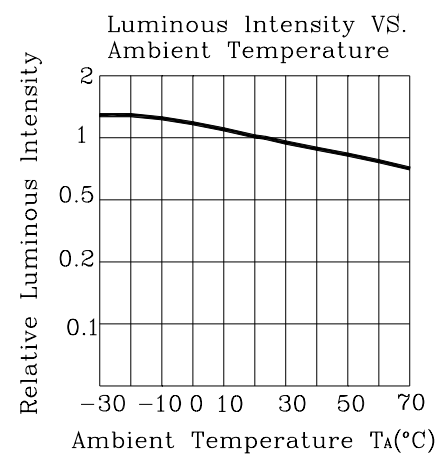
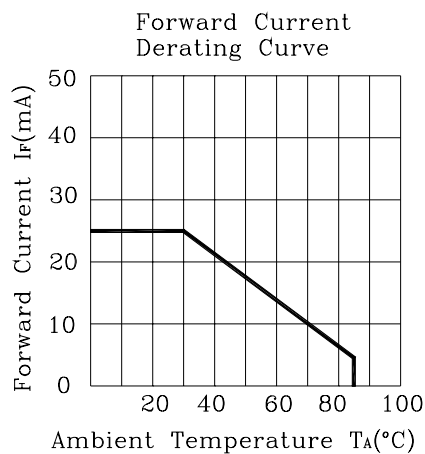
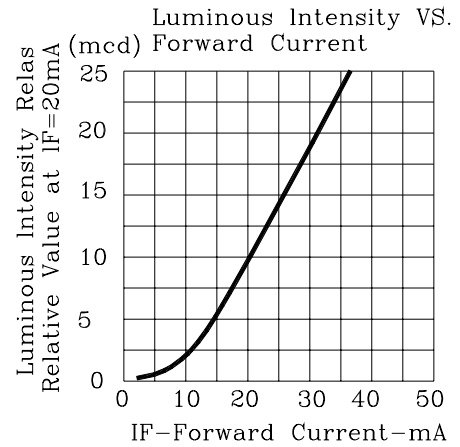
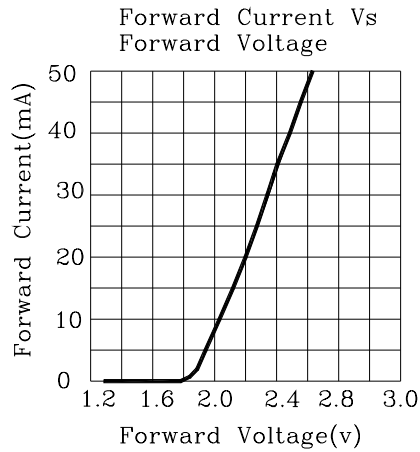
SYMBOL	DESCRIPTION	RED	YELLOW GREEN	UNIT
PD	Power Dissipation	85	85	mW
VR	Reverse Voltage	5	5	V
IF	Average Forward Current	30	30	mA
IPF	Peak Forward Current (Duty=0.1,1KHZ)	120	120	mA
-	Derating Linear From 25°C	0.4	0.4	mA/°C
Topr	Operating Temperature Range	-20°C to 70°C		
Tstg	Storage Temperature Range	-30°C to 80°C		

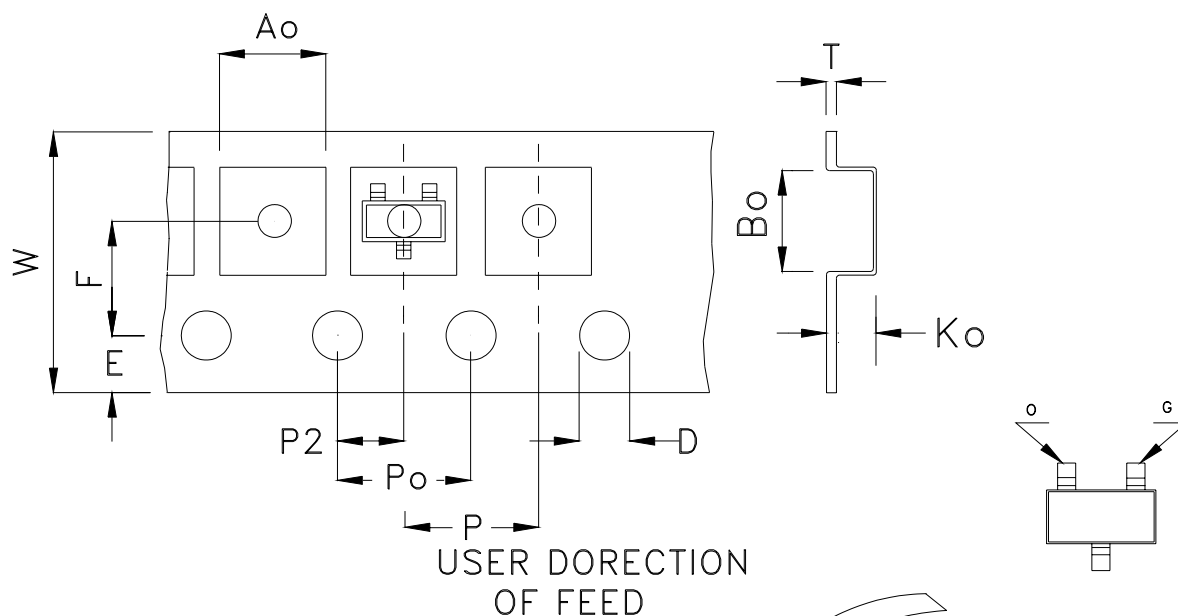
Lead Soldering Temperature { 1.6mm(0.063 inch) From Body } 260°C±5°C For 3 Seconds

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

SYMBOL	PARAMETER	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
VF	Forward Voltage	IF=20mA	Red	2.1	2.8	V
			Yellow Green	2.2	2.8	V
IR	Reverse Current	VR=5V	Red		100	μA
			Yellow Green		100	μA
λD	Dominant Wavelength	IF=20mA	Red	622		nm
			Yellow Green	570		nm
Δλ	Spectral Line Half-Width	IF=20mA	Red	35		nm
			Yellow Green	30		nm
2θ1/2	Half Intensity Angle	IF=20mA	Red	100		deg
			Yellow Green	100		deg
IV	Luminous Intensity	IF=20mA	Red	5		mcd
			Yellow Green	10		mcd

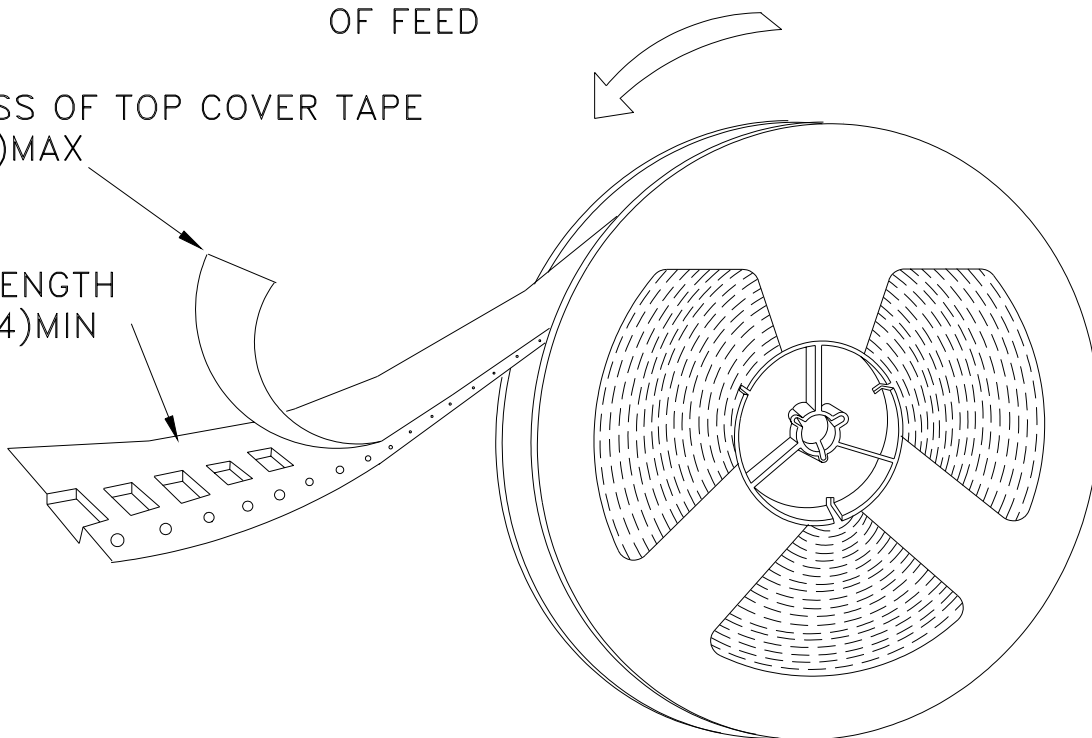


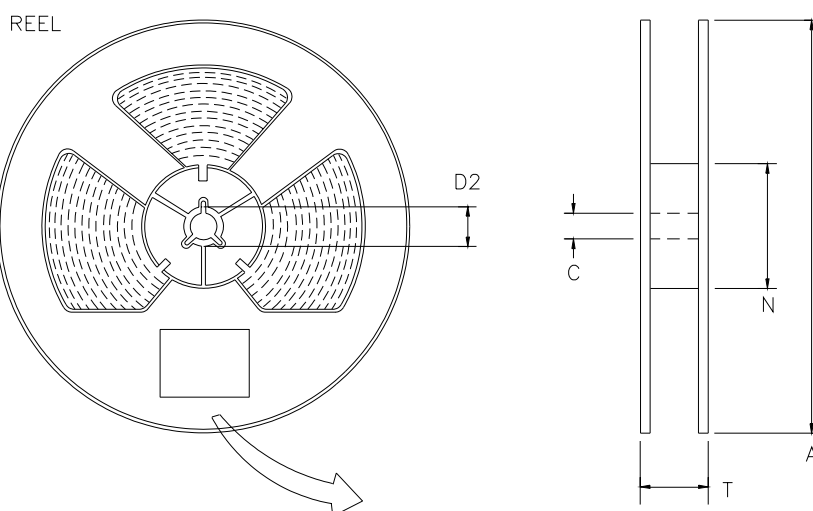




THICKNESS OF TOP COVER TAPE
0.1 (0.004)MAX

LEADER LENGTH
250(9.84)MIN





QUANTITY:3000PCS

■ Package Dimensions

Unit: mm(Inches)

D	1.55 (0.061±0.002) DIA	W	8.0±0.3 (0.315±0.012)
E	1.75±0.1 (0.069)	A	178.0±2.0 (7.0±0.08) DIA
F	3.5 (0.14±0.002)	C	13.0 (0.512) DIA. TYP.
KO	1.5±0.1 (0.053) TYP.	D2	20.2 (0.795) DIA. MIN.
P	4.0 (0.157) TYP.	N	60.0 (2.362) MIN.
PO	4.0 (0.157) TYP.	T	14.4 (0.567) MAX.
P2	2.0 (0.079±0.002)	Ao	3.2±0.1(0.126±0.004) TYP.
†	0.3 (0.012) TYP.	Bo	3.2±0.1(0.126±0.004) TYP.