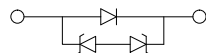
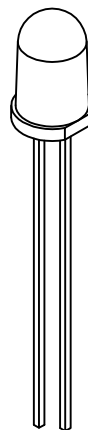
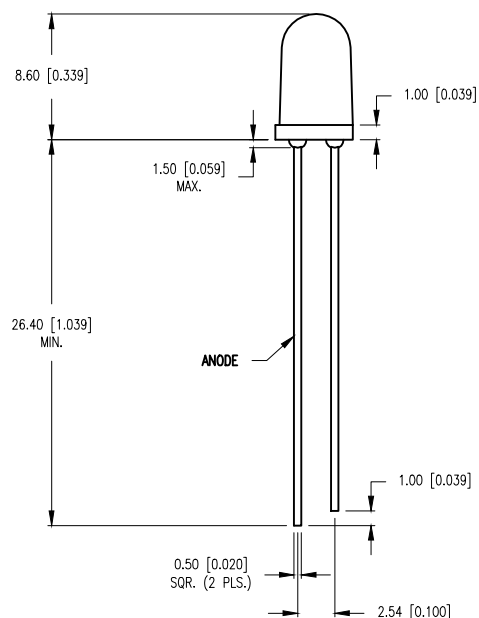
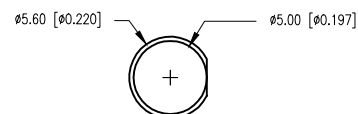


CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			550 (WHITE)		nm	
FORWARD VOLTAGE	V_f		3.6	4.0	V	$I_f=20\text{mA}$
REVERSE VOLTAGE	V_r	5			V	$I_r=10\mu\text{A}$
AXIAL INTENSITY(*1)	I_v	2850		11250	mcd	$I_f=20\text{mA}$
CHROMATICITY	X		0.29			$I_f=10\text{mA}$
COORDINATES(*2)	Y		0.28			
VIEWING ANGLE			15		2x theta	

EMITTED COLOR:

WHITE

EPOXY LENS FINISH: WATER CLEAR

*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.

*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT	I_p	100*	mA
STEADY CURRENT	I_f	30	mA
POWER DISSIPATION	P_D	120	mW
OPERATING TEMP.	T_{OPR}	-30 TO +80	$^\circ\text{C}$
STORAGE TEMP.	T_{STG}	-40 TO +100	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY			3 SEC. MAX

*DUTY 1/10 PULSE WIDTH 10ms

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.=+DECIMAL PRECISION -0.00

MAX.=+0.00 -DECIMAL PRECISION

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T-5mm (T-1 3/4) ULTRA WHITE LED, WATER CLEAR TAPERED LENS.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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DATE:	10.19.07	DRAWN BY:	JN
PAGE:	1 OF 2	CHKD BY:	--
SCALE:		APRVD BY:	BC
UNIT:	mm [INCH]		(PL)

INTENSITY SORTING		
RANK	MCD @ 20 mA.	
	MIN.	MAX.
P	2850	3600
Q	3600	4500
R	4500	5650
S	5650	7150
T	7150	9000
U	9000	11250

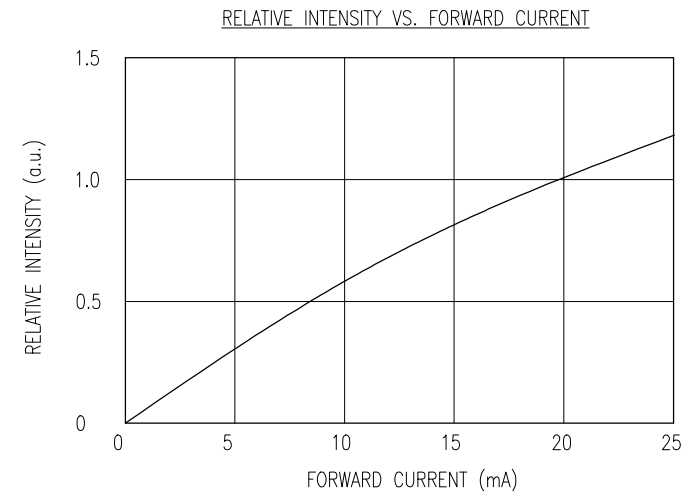
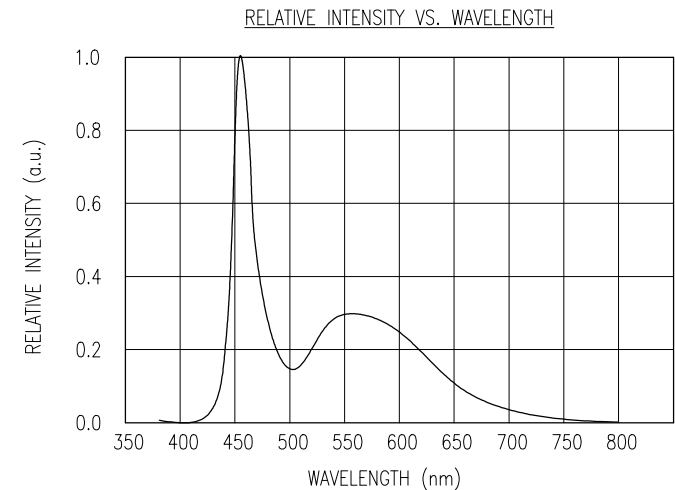
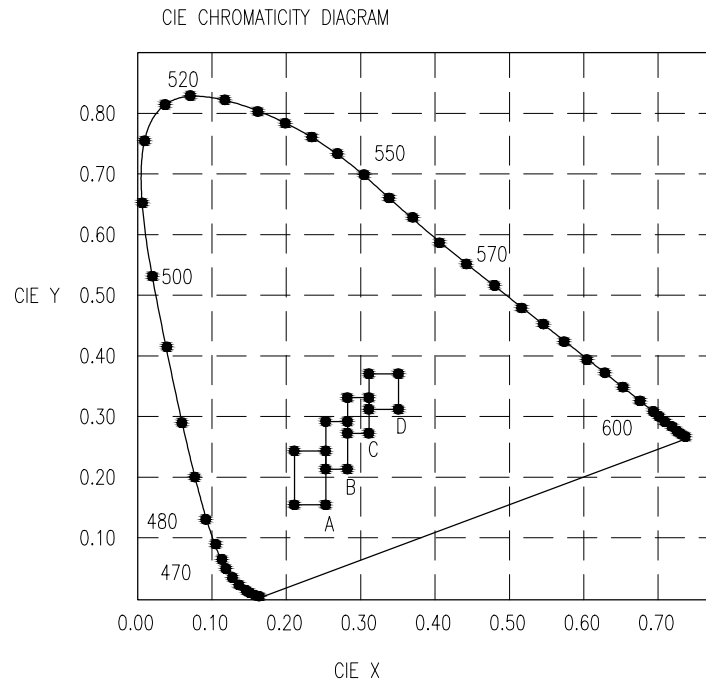
TOLERANCE $\pm 15\%$

VOLTAGE SORTING		
Vf	V. @ 20 mA.	
	MIN.	MAX.
R	2.9	3.1
S	3.1	3.3
T	3.3	3.5
U	3.5	3.7
V	3.7	3.9

TOLERANCE ± 0.1 V.

COLOR RANKS				
RANK	CIE X		CIE Y	
	MIN.	MAX.	MIN.	MAX.
A1	0.215	0.245	0.155	0.185
	0.215	0.245	0.185	0.225
A2	0.245	0.260	0.175	0.215
	0.245	0.260	0.215	0.245
B1	0.260	0.275	0.215	0.245
	0.260	0.275	0.245	0.285
B2	0.275	0.290	0.235	0.275
	0.275	0.290	0.275	0.295
C1	0.290	0.305	0.275	0.295
	0.290	0.305	0.295	0.325
C2	0.305	0.320	0.285	0.315
	0.305	0.320	0.315	0.335
D1	0.320	0.340	0.315	0.335
	0.320	0.340	0.335	0.365
D2	0.340	0.360	0.325	0.355
	0.340	0.360	0.355	0.375

TOLERANCE ± 0.01
 $I_f = 20\text{mA}$, $T_a = 25^\circ\text{C}$



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN=+DECIMAL PRECISION -0.00, MAX.=+0.00 -DECIMAL PRECISION



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