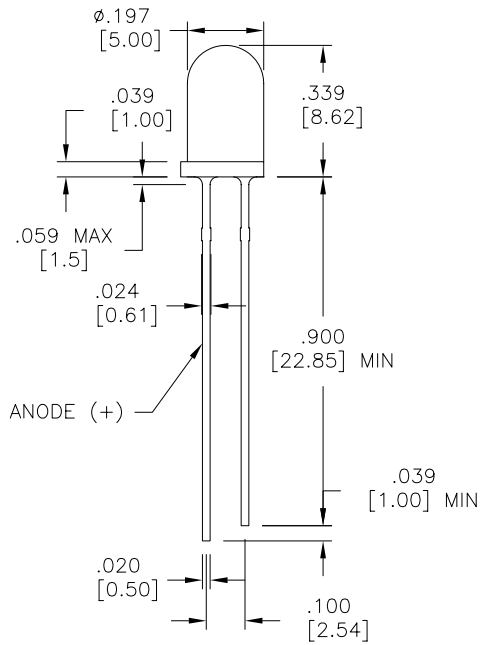


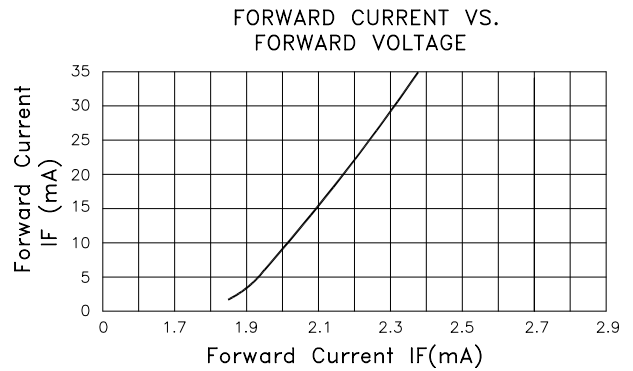
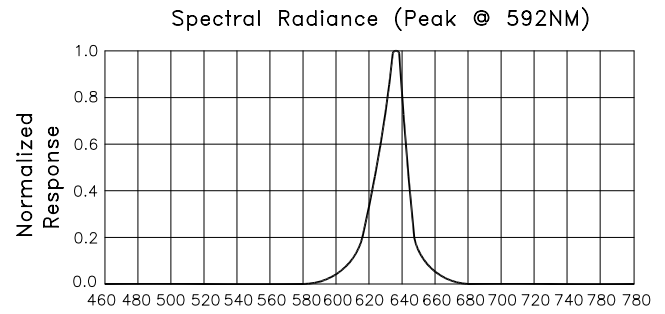
FORM 4.04-001A

LTR	REVISION	DATE	APPD
A	090806-PL03: UPDATED DATA	09-08-06	GP



NOTES:

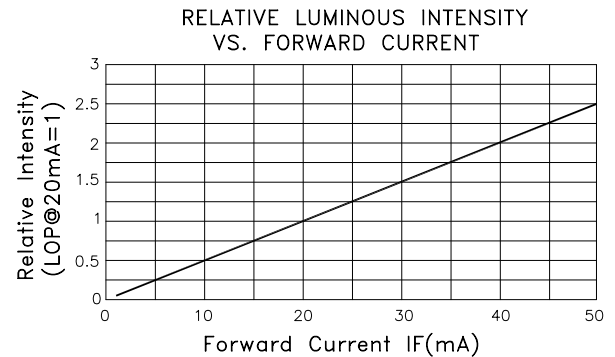
1. ALL DIMS ARE IN INCHES (MILLIMETERS).
2. TOLERANCE IS $\pm 0.010''$ ($\pm 0.25\text{mm}$) UNLESS OTHERWISE SPECIFIED.
3. PROTRUDED RESIN UNDER FLANGE IS $.059''$ (1.5mm) MAX.
4. LEAD SPACING IS MEASURED WHERE LEADS EMERGE FROM THE PACKAGE.
5. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.



ABSOLUTE MAXIMUM RATINGS ($T_a=25^\circ\text{C}$)

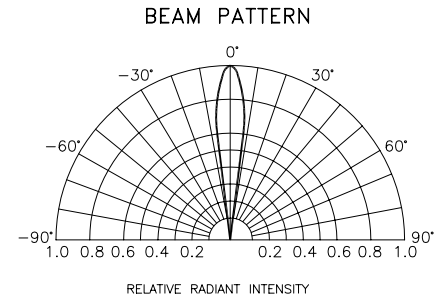
CHARACTERISTIC	SYMBOL	SUPER RED	UNIT
POWER DISSIPATION	P_d	100	mW
REVERSE VOLTAGE	V_r	5	V
FORWARD CURRENT*	I_f	35	mA
PEAK FORWARD CURRENT	I_{fp}	100	mA
OPERATING TEMPERATURE	T_{opr}	-40 TO +80	$^\circ\text{C}$
STORAGE TEMPERATURE	T_{stg}	-40 TO +80	$^\circ\text{C}$
DERATING LINEAR FROM 50 $^\circ\text{C}$	-	0.4	mA/ $^\circ\text{C}$

*1/10 Duty Cycle, 0.1MS Pulse Width
LEAD SOLDERING TEMP: [1.6mm (.063in) FROM BODY] 250 $^\circ\text{C}$ \pm 5 $^\circ\text{C}$ FOR 3 SEC.



ELECTRO-OPTICAL CHARACTERISTICS ($T_a=25^\circ\text{C}$)

CHARACTERISTIC	SYMBOL	CONDITION	SUPER RED			UNITS
			MIN.	TYP.	MAX.	
LUMINOUS INTENSITY	I_v	$I_f=20\text{mA}$	4000	9000	17000	mcd
FORWARD VOLTAGE	V_f	$I_f=20\text{mA}$	1.8	2.1	2.8	V
REVERSE CURRENT	I_r	$V_r=5\text{V}$	-	-	100	μA
PEAK WAVELENGTH	λ_p	$I_f=20\text{mA}$	631	635	641	nm
DOM. WAVELENGTH	λ_d	$V_r=5\text{V}$	622	625	632	nm
Spectral Line Half-Width	$\Delta\lambda$	$I_f=20\text{mA}$	15	20	25	nm
VIEWING ANGLE	2θ 1/2	$I_f=20\text{mA}$	12	15	-	Deg
RADIANT INTENSITY		$I_f=20\text{mA}$	-	50	-	mW/sr
CHROMATICITY COORDINATES	X	$I_f=20\text{mA}$	-	0.70	-	
	Y		-	0.30	-	



CHIP MATERIAL	LENS COLOR	EMITTING COLOR
TS-AlGaInP	WATER CLEAR	SUPER RED

LED[®]
LEDTRONICS,™ INC.
23105 KASHIWA COURT
TORRANCE, CA 90505

-PROPRIETARY-
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...XX \pm .010 TOLERANCE PER ANSI-Y14.5
...XX \pm .025 (UNLESS OTHERWISE STATED)
ANGLES \pm 0 $^\circ$,30'
FRACT. \pm 1/32

TITLE				
L200CWE6K-15D				
DWG NO	SCALE	SHEET	DATE	
DSDC0299	1:1	1 OF 1	11-25-02	
CODE IDENT NO.	DWG BY	CHK BY	QA	MFG
8Z410	WB	PL 09-11-06		CUSTOMER