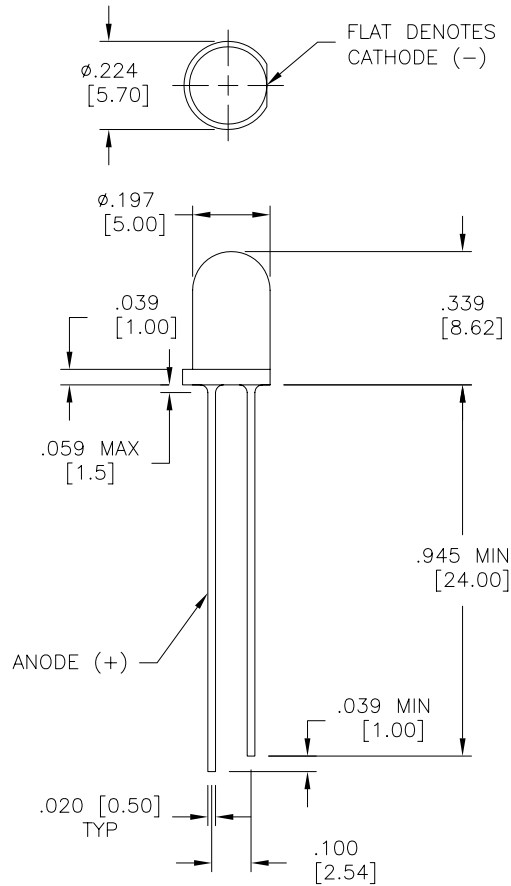
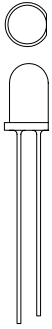


LTR	REVISION	DATE	APPD
-	RELEASED	06-22-05	

Actual Size



NOTES:

1. ALL DIMS ARE IN INCHES (MILLIMETERS).
2. TOLERANCE IS  $\pm 0.010$ " ( $\pm 0.25$ mm) UNLESS OTHERWISE SPECIFIED.
3. LEAD SPACING IS MEASURED WHERE LEADS EMERGE FROM THE PACKAGE.
4. LEADS TO BE SOLDERABLE AND CAPABLE OF MEETING THE SOLDERABILITY REQUIREMENTS OF MIL-STD-202, METHOD 208.
5. MANUFACTURE DATE SHALL NOT BE OLDER THAN 26 WEEKS (6 MONTHS).

LEDTRONICS PART NO.	L.E.D. RADIATION COLOR	L.E.D. APPEARANCE	ABSOLUTE MAXIMUM RATINGS ( $T_a=25^\circ\text{C}$ )					ELECTRO-OPTICAL CHARACTERISTICS ( $T_a=25^\circ\text{C}$ )						
			Pd mW	I <sub>fp</sub> * mA	I <sub>f</sub> mA	V <sub>r</sub> V	T <sub>opr</sub> (°C)	I <sub>f</sub> mA	I <sub>v</sub> mcd typ	V <sub>f</sub> =V typ/max	VIEW ANGLE 201/2	I <sub>r</sub> max $\mu\text{A}$	$\Delta\lambda$ nm	$\lambda_{\text{Peak}}$ nm
L200CWR3KF-15D	ULTRA RED	WATER CLEAR	80	150	30	5	-40 TO +80	20	1250	2.0/2.6	12/15	100	20	660
L200CWR3KF-30D	ULTRA RED	WATER CLEAR	80	150	30	5	-40 TO +80	20	1050	2.0/2.6	20	100	20	660

Tstg:  $-40^\circ\text{C}$  TO  $+85^\circ\text{C}$  \*Condition for I<sub>fp</sub> is pulse of 1/10 duty and 0.1msec width.  
 LEAD SOLDERING TEMP: [1.6mm (.063in) FROM BODY] 260°C FOR 5 SEC.

 LEDTRONICS, INC. 23105 KASHIWA COURT TORRANCE, CA 90505	<b>-PROPRIETARY-</b> This document contains Proprietary information of LEDTRONICS, INC. It may not be copied, used or disclosed for any purpose without the prior express written consent of LEDTRONICS, INC.		<b>TITLE</b> L200CWR3KF-XXD			
	.XXX $\pm$ .010 TOLERANCE PER ANSI-Y14.5 .XX $\pm$ .025 (UNLESS OTHERWISE STATED) ANGLES $\pm$ 0°,30' FRACT. $\pm$ 1/32		<b>DWG NO</b> DSDC0355		<b>SCALE</b> 1:1	
	<b>CODE IDENT NO.</b> 8Z410		<b>DWG BY</b> SMA		<b>CHK BY</b> PL 06-22-05	
		<b>SHEET</b> 1 OF 2		<b>DATE</b> 06-22-05		
		<b>MNFG</b> CUSTOMER				

Fig.1 Relative intensity vs. Wavelength

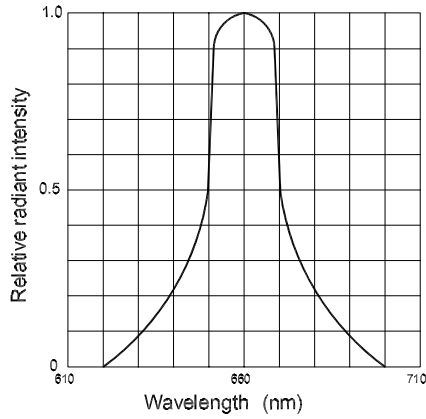


Fig.2 Forward current derating curve vs. Ambient temperature

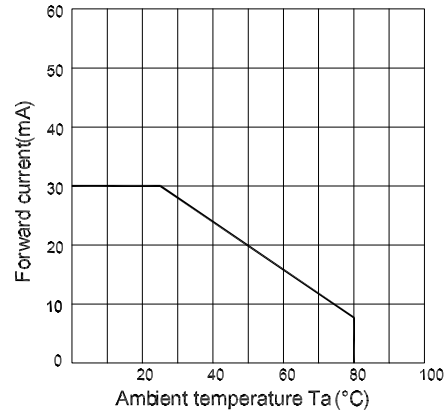


Fig.3 Forward current vs. Forward voltage

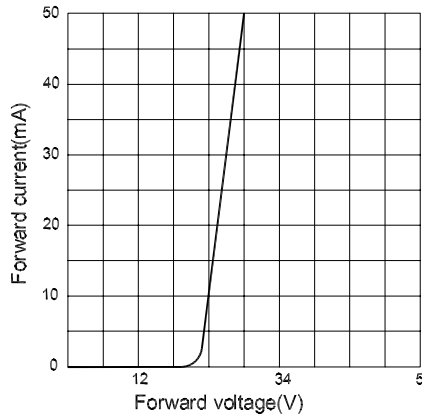


Fig.4 Relative luminous intensity vs. Ambient temperature

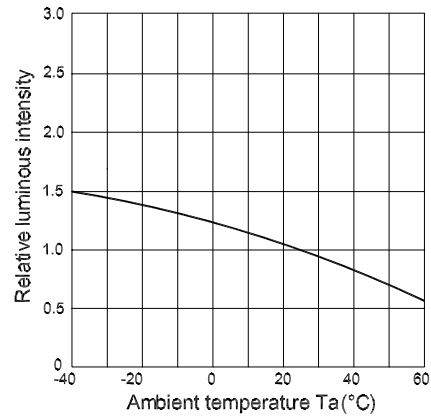


Fig.5 Relative uminous intensity vs. Forwardcurrent

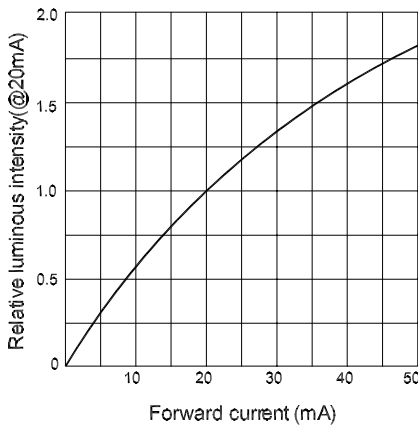


Fig.6 Radiation diagram for L200CWR3KF-15D

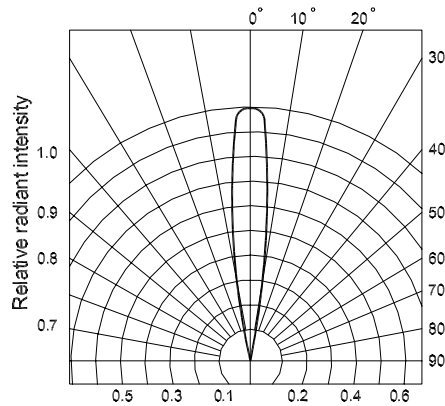


Fig.6 Radiation diagram for L200CWR3KF-30D

