

LTR	REVISION	DATE	APPD
1	PRELIMINARY RELEASE	04-23-98	
-	RELEASE	06-14-00	
A	021705-PL01: REVISE ELECT. DATA	02-17-05	

WARNING: DO NOT LOOK AT LED DIRECTLY WHEN POWER IS ON, USE IR CAMERA TO VIEW LED

NOTES:

1. ALL DIMS ARE IN INCHES (MILLIMETERS).
2. TOLERANCE IS ± 0.010 " (± 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).

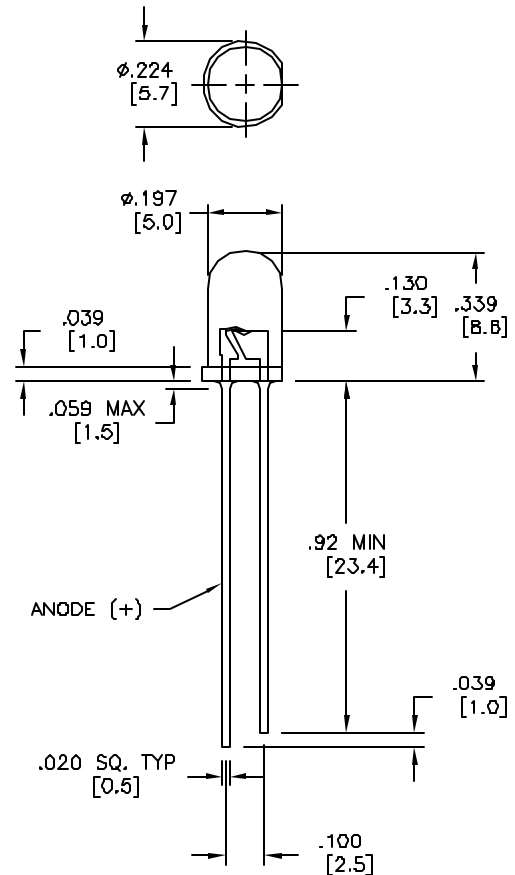
ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
POWER DISSIPATION	Pd	100	mW
FORWARD CURRENT	I _f	100	mA
PEAK FORWARD CURRENT *1	I _{fm}	1.0	A
REVERSE VOLTAGE	V _r	5	V
OPERATING TEMPERATURE	T _{opr}	-40°C~85°C	-
STORAGE TEMPERATURE	T _{stg}	-40°C~85°C	-
SOLDERING TEMPERATURE	T _{sol}	260°C (FOR 5 SEC.)	-

*1 CONDITION FOR I_{fm} IS PULSE OF 1/10 DUTY AND 0.1MSEC WIDTH

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
RADIANT INTENSITY	I _e	I _f =50mA	45.3	128.5	-	mW/sr
FORWARD VOLTAGE	V _f	I _f =50mA	-	1.5	1.8	V
REVERSE CURRENT	I _r	V _r =5V	-	-	100	μA
PEAK WAVELENGTH	λ _p	I _f =20mA	-	850	-	nm
SPECTRAL LINE HALF-WIDTH	Δλ	I _f =20mA	-	50	-	nm
VIEWING ANGLE	2θ _{1/2}	I _f =20mA	-	20	-	deg



L.E.D. RADIATION COLOR	LENS APPEARANCE
INFRARED	WATER CLEAR

LED[®]
LEDTRONICS, INC.[™]
 4009 PACIFIC COAST HWY
 TORRANCE, CA 90505

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.XXX ± .010 TOLERANCE PER ANSI-Y14.5
 .XX ± .025 (UNLESS OTHERWISE STATED)
 ANGLES ± 0°.30°
 FRACT. ± 1/32

TITLE

L200CWIR851

DWG NO

DSDC0185

SCALE

1:1

SHEET

1 OF 1

DATE

04-23-98

CODE
 IDENT NO.
 8Z410

DWG BY
 SMA

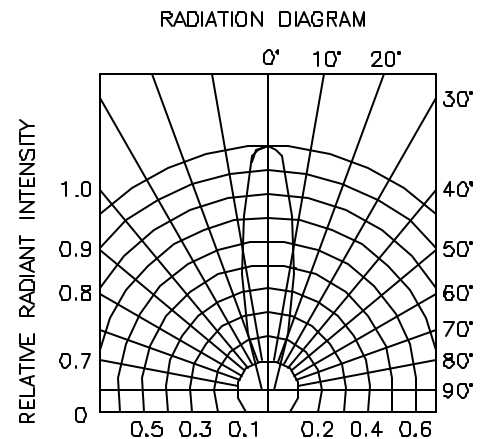
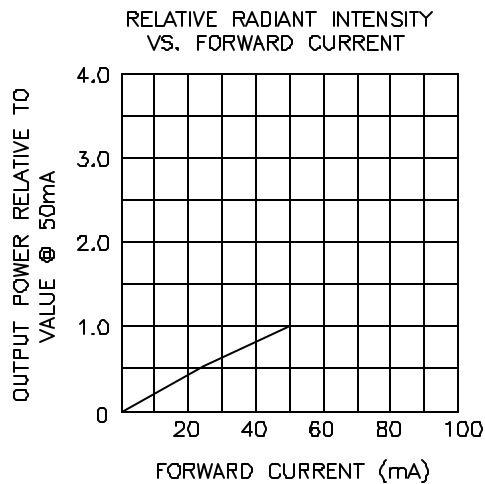
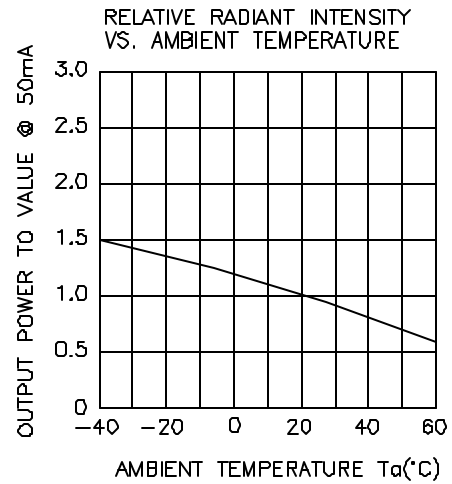
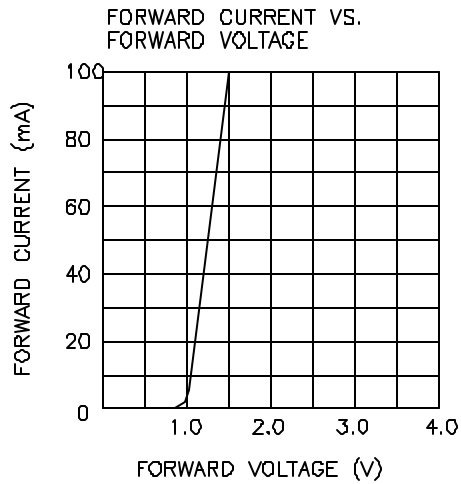
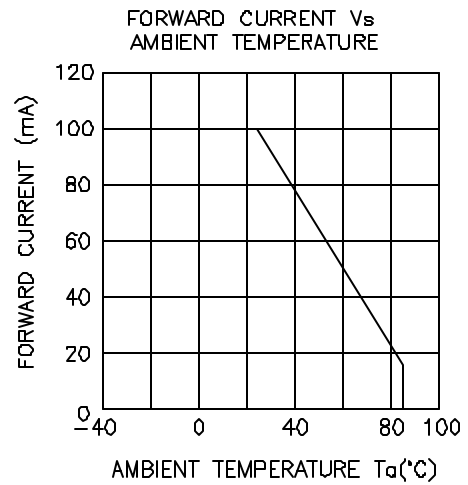
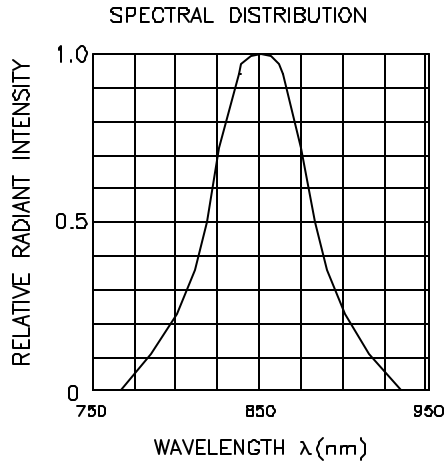
CHK BY
 PL

QA
 JCH
 02-25-05

MNFG

CUSTOMER

LTR	REVISION	DATE	APPD
-	RELEASED	02-23-05	



LED[®]
LEDTRONICS, INC.[™]
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 .XX ± .025 (UNLESS OTHERWISE STATED)
 ANGLES ± 0°.30"
 FRACT. ± 1/32

TITLE L200CWIR851			
DWG NO DSDC0185-A	SCALE 2:1	SHEET 2 OF 2	DATE 02-23-05
CODE IDENT NO. 8Z410	DWG BY RM	CHK BY PL 02-25-05	QA JCH 02-25-05
MFG		CUSTOMER	