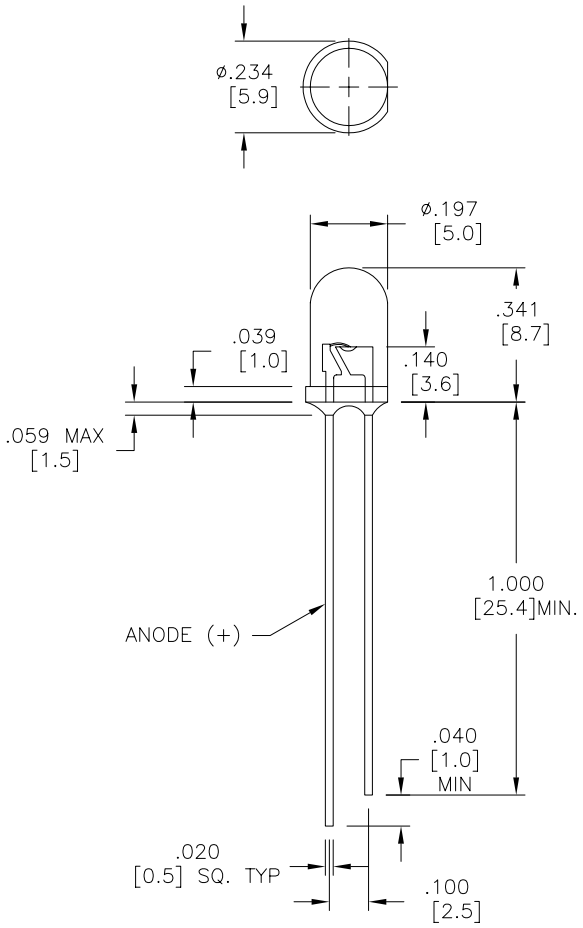
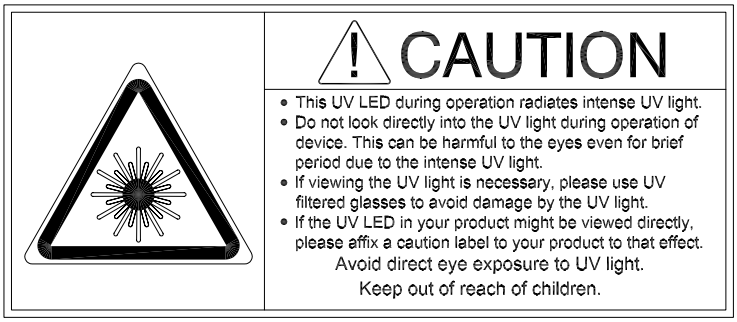
LTR	REVISION	DATE	APPD
–	RELEASED	08–30–05	





NOTES:

1. ALL DIMS ARE IN INCHES (MILLIMETERS).
2. TOLERANCE IS ±.010" (±0.25mm) 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).

PURITY (%) typ
99

LEDTRONICS PART NO.	L.E.D. RADIATION COLOR	L.E.D. APPEARANCE	ABSOLUTE MAXIMUM RATINGS (Ta=25°C)				ELECTRO–OPTICAL CHARACTERISTICS (Ta=25°C)								
			Pd mW	If mA	Vr V	Topr (°C)	If mA typ	Radiant Intensity (mW/Sr) typ	Iv mcd typ	Vf=V typ/max	VIEW ANGLE 2θ1/2	Ir max μA	Full width half max	λDominant nm typ	λPeak nm typ
L200CUV395–12D	ULTRA VIOLET	CLEAR	120	30	5	–20 TO +80	20	38	20	3.7/4.0	16±3	100	14.8	421	398

Tstg: –30°C TO +100°C
LEAD SOLDERING TEMP: [1.6mm (.063in) FROM BODY] 260°C FOR 5 SEC.

OPTICAL RISE TIME (τ, ns) TYP=30

LEDTRONICS, INC.
23105 KASHIWA COURT
TORRANCE, CA 90505

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

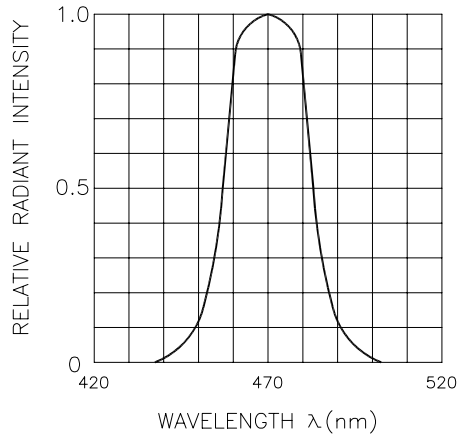
TITLE: L200CUV395-12D

DWG NO	SCALE	SHEET	DATE
DSDC0362	2:1	1 OF 2	08–30–05

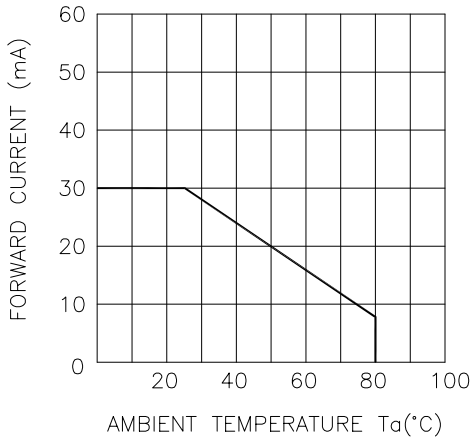
CODE IDENT NO.	DWG BY	CHK BY	QA	MFG	CUSTOMER
8Z410	MM		PL 09–12–05	GZ 09–12–05	

LTR	REVISION	DATE	APPD
–	RELEASED	09–12–05	

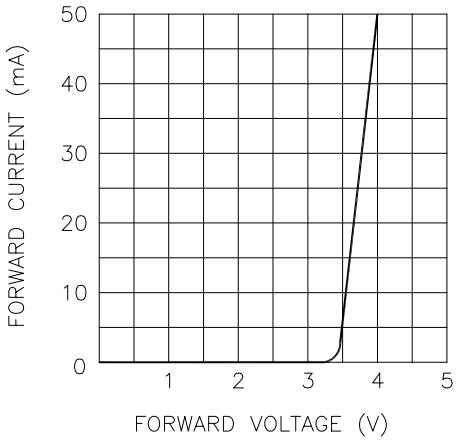
RELATIVE INTENSITY VS. WAVELENGTH



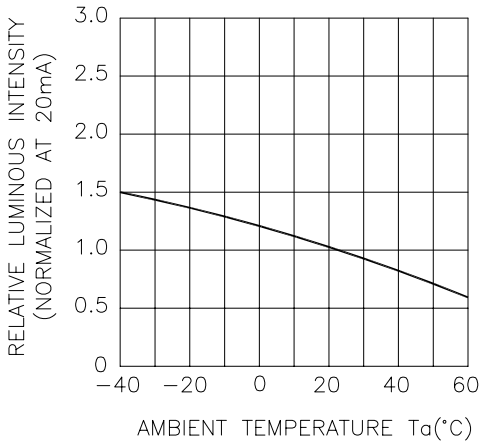
FORWARD CURRENT DERATING CURVE



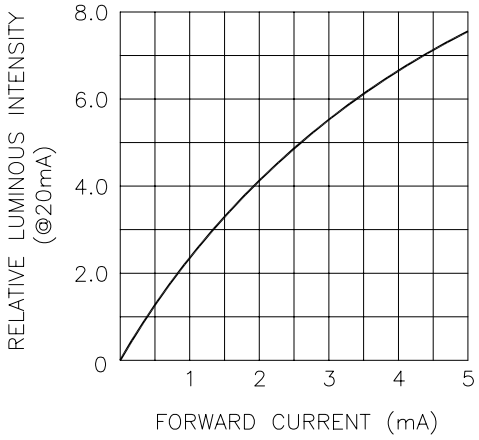
FORWARD CURRENT VS.
FORWARD VOLTAGE



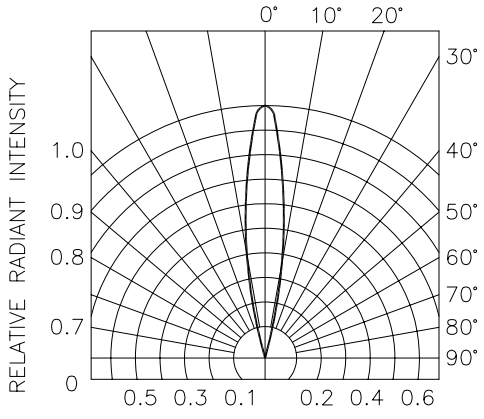
RELATIVE LUMINOUS INTENSITY
VS. AMBIENT TEMPERATURE



RELATIVE LUMINOUS INTENSITY
VS. FORWARD CURRENT



RADIATION DIAGRAM



LEDTRONICS, INC.
23105 KASHIWA COURT
TORRANCE, CA 90505

-PROPRIETARY-
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.

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

TITLE: L200CUV395-12D

DWG NO	SCALE	SHEET	DATE
DSDC0362–A	2:1	2 OF 2	09–12–05

CODE IDENT NO.	DWG BY	CHK BY	QA	MFG	CUSTOMER
8Z410	RM				

Reliability Summary: MB UV

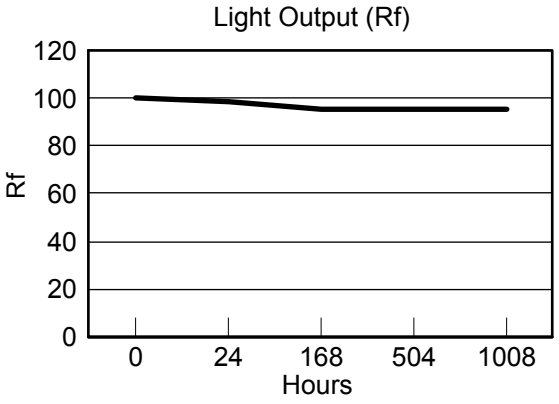
HTOL

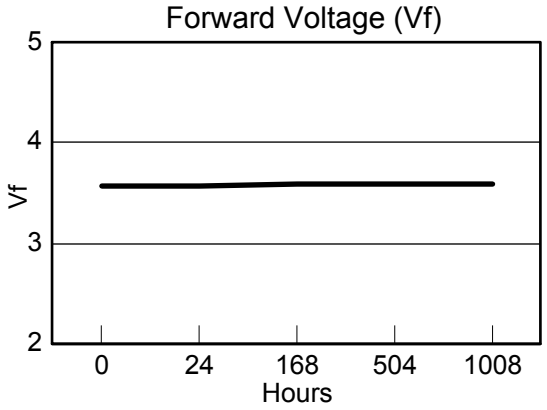
20 mA DC

100°C

85% RH

Au-Plated Header





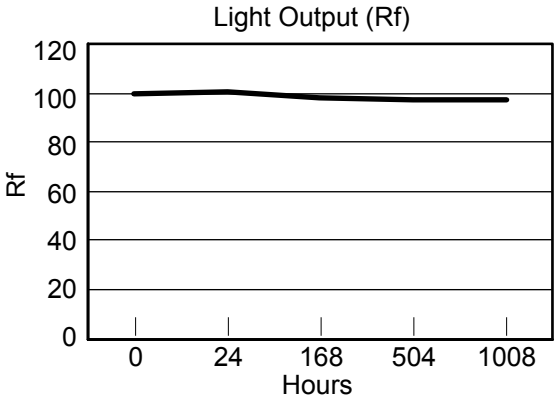
RTOL

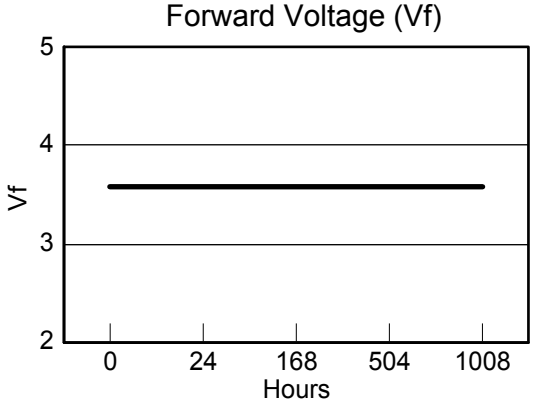
30 mA DC

25°C

Pkg: TO-39

Au-Plated Header





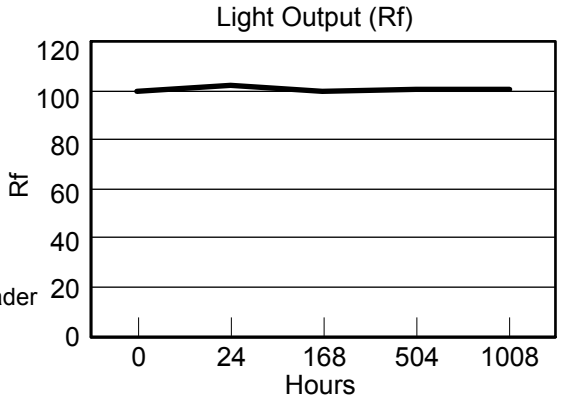
WHTOL

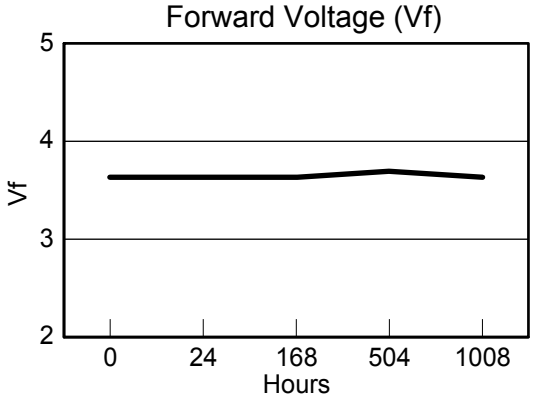
10 mA DC

85°C

85% RH

Pkg: TO-39 Au-Plated Header





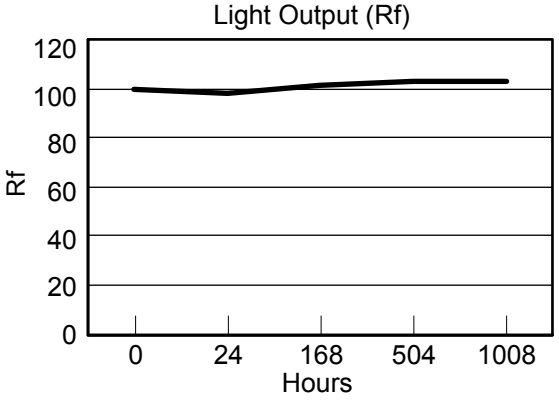
LTOL

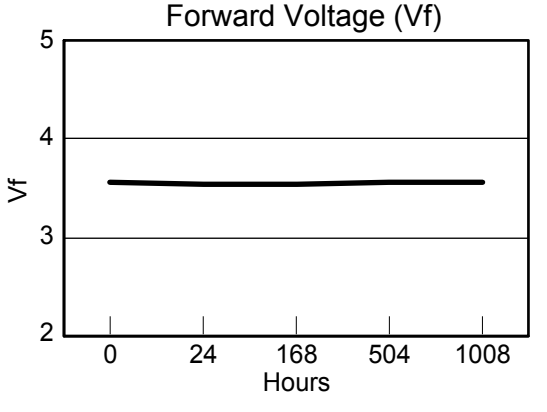
20 mA DC

-40°C

Pkg: TO-39

Au-Plated Header





LEDTRONICS, INC.™
23105 KASHIWA COURT
TORRANCE, CA 90505

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

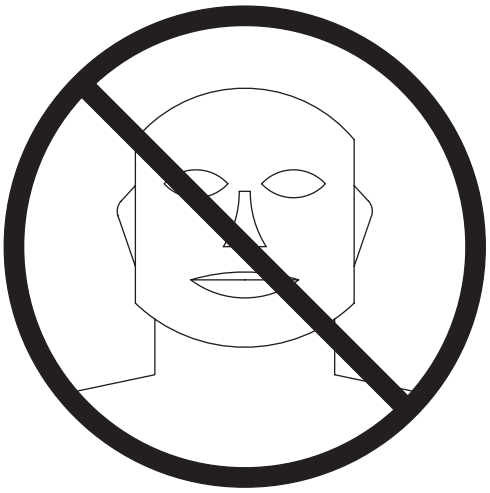
TITLE ULTRAVIOLET LED RELIABILITY
MB UV: Chips C395-MB290, C405-MB290

DWG NO	SCALE	SHEET	DATE
QA0042		1 OF 1	05-23-06

CODE IDENT NO.	DWG BY	CHK BY	QA	MNFG	CUSTOMER
8Z410	JAG				

LTR	REVISION	DATE	APPD
-	RELEASED	03-10-00	JCH

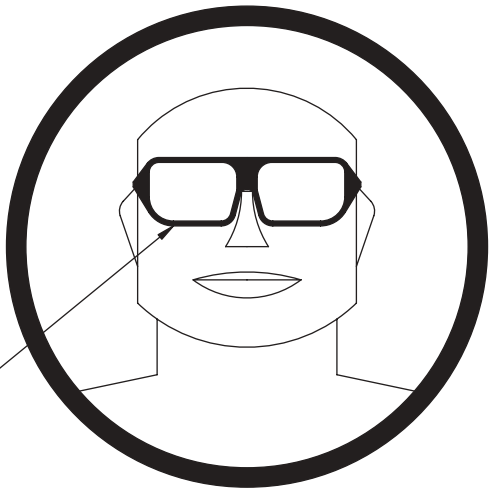
ULTRAVIOLET LIGHT SAFETY PROCEDURE

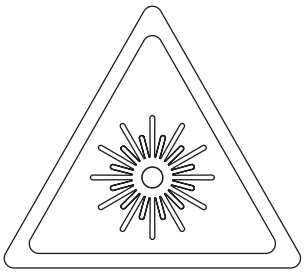


INSPECTORS AND OTHER PERSONS VIEWING

ULTRAVIOLET LIGHT MUST WEAR PROPER PROTECTIVE EYEWEAR

WILLSON UV GLASSES
PART # F117501





! CAUTION

- This UV LED during operation radiates intense UV light.
- Do not look directly into the UV light during operation of device. This can be harmful to the eyes even for brief period due to the intense UV light.
- If viewing the UV light is necessary, please use UV filtered glasses to avoid damage by the UV light.
- If the UV LED in your product might be viewed directly, please affix a caution label to your product to that effect.

Avoid direct eye exposure to UV light.
Keep out of reach of children.

NORMAL SUNGLASSES WILL NOT PROTECT YOU FROM UV LIGHT DAMAGE.

YOU MUST USE THE APPROVED UV GLASSES

ONLY THOSE PERSONS WHO HAVE COMPLETED UV TESTING CERTIFICATION ARE TO VIEW THIS PRODUCT

THE SAFETY OF ALL EMPLOYEES IS THE UTMOST CONCERN OF LEDTRONICS

LEDTRONICS, INC.®
23105 KASHIWA COURT
TORRANCE, CA 90505

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

TITLE
UV LIGHT TESTING INSTRUCTIONS

DWG NO	SCALE	SHEET	DATE
QA0028	NTS	1 OF 1	03-10-00

CODE IDENT NO.	DWG BY	CHK BY	QA	MFG	CUSTOMER
8Z410	JCH		CG 08-09-00	RA 12-01-00	