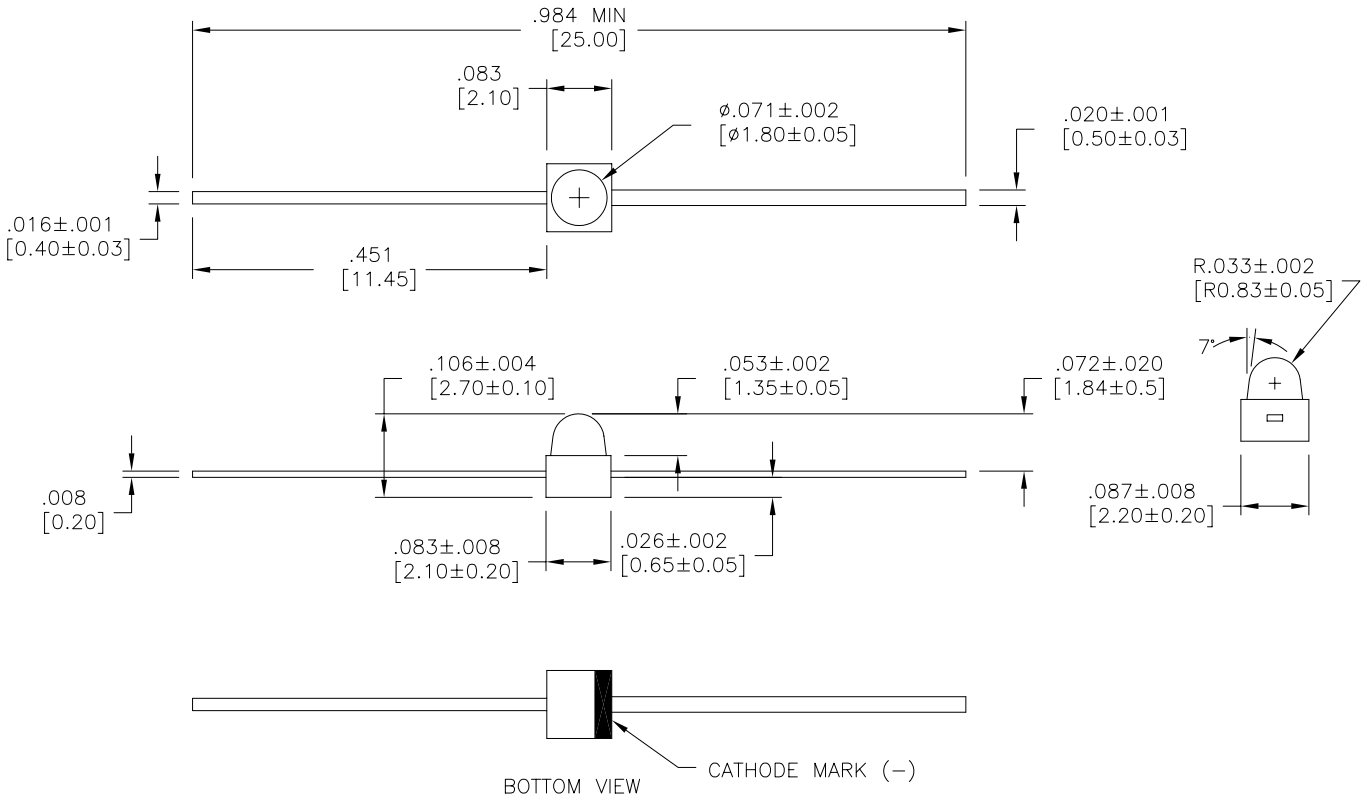
LTR	REVISION	DATE	APPD
–	RELEASED	01–04–06	



ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
POWER DISSIPATION	Pd	120	mW
FORWARD CURRENT	I_F	30	mA
PEAK FORWARD CURRENT	I_{FP}	100	mA
OPERATING TEMPERATURE	Topr	–25°C~80°C	C°
STORAGE TEMPERATURE	Tstg	–30°C~85°C	C°
SOLDERING TEMPERATURE	Tsol	260°C (FOR 5 SEC.)	–

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
LUMINOUS INTENSITY	Iv	If=20mA	–	94	300	mcd
FORWARD VOLTAGE	V_F	If=20mA	–	3.5	4.0	V
REVERSE CURRENT	I_R	Vr=5V	–	–	100	μA
PEAK WAVELENGTH	λp	If=20mA	–	525	–	nm
DOMINANT WAVELENGTH	X	If=20mA	–	520±5	–	–
SPECTRAL LINE HALF–WIDTH	△λ	If=20mA	–	30	–	nm
VIEWING ANGLE	2θ1/2	If=20mA	–	35	–	deg

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. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
5. LEADS TO BE SOLDERABLE AND CAPABLE OF MEETING THE SOLDERABILITY REQUIREMENTS OF MIL–STD–202, METHOD 208.
6. MANUFACTURE DATE SHALL NOT BE OLDER THAN 26 WEEKS (6 MONTHS).
7. THIS PRODUCT IS ROHS COMPLIANT

L.E.D. RADIATION COLOR	LENS APPEARANCE
AQUA GREEN	WATER CLEAR

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: L080CWAG3K

DWG NO	SCALE	SHEET	DATE
DSDC0373	2:1	1 OF 2	01–04–06

CODE IDENT NO.	DWG BY	CHK BY	QA	MNFG	CUSTOMER
8Z410	RM	PL 01–16–06	GZ 01–16–06		

LTR	REVISION	DATE	APPD
–	RELEASED	01–04–06	

Fig.1 RELATIVE INTENSITY VS. WAVELENGTH

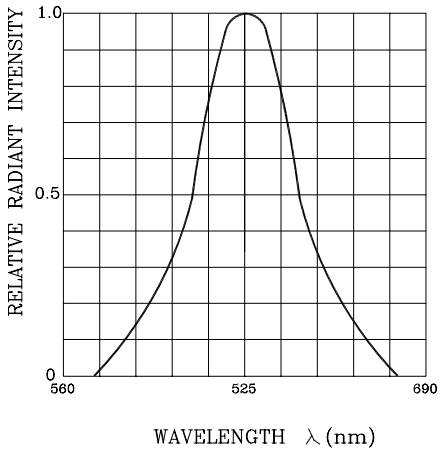


Fig.2 FORWARD CURRENT DERATING CURVE

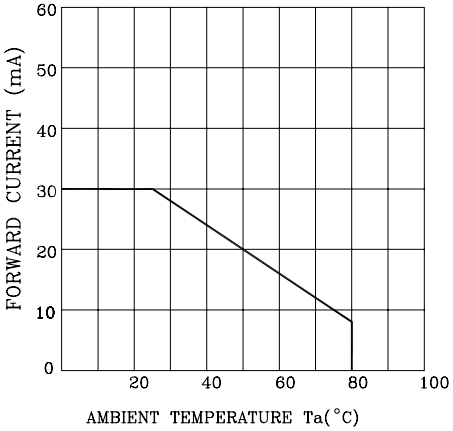


Fig.3 FORWARD CURRENT VS. FORWARD VOLTAGE

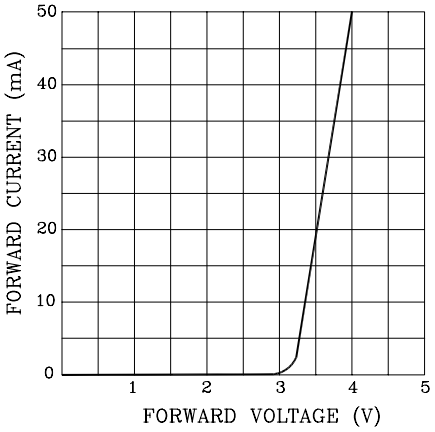


Fig.4 RELATIVE LUMINOUS INTENSITY VS. AMBIENT TEMPERATURE

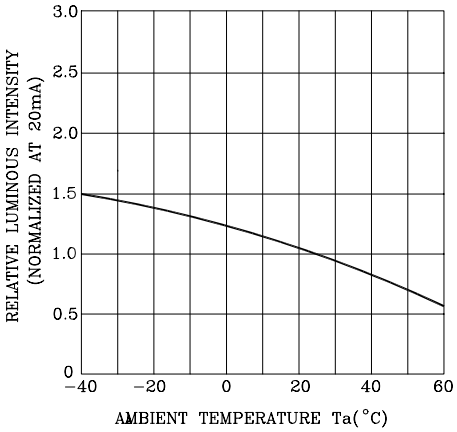


Fig.5 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT

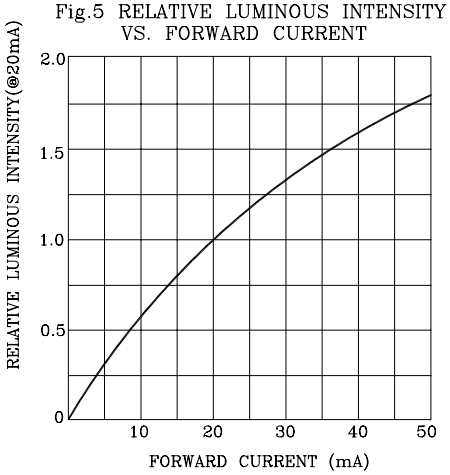
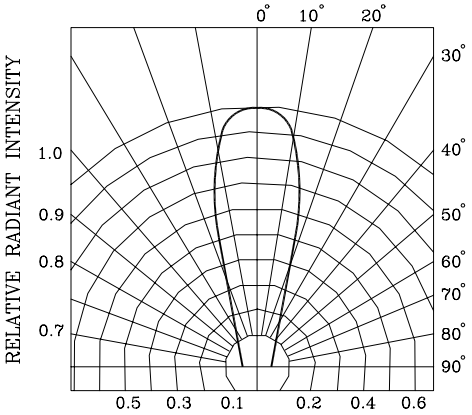


Fig.6 RADIATION DIAGRAM

RADIATION DIAGRAM



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: L080CWAG3K

DWG NO	SCALE	SHEET	DATE
DSDC0373–A	2:1	2 OF 2	01–04–06

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