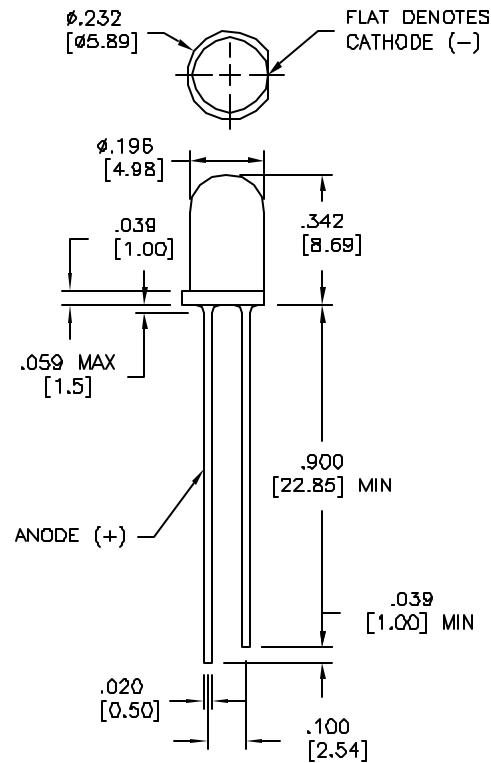


LTR	REVISION	DATE	APPD
-	RELEASED	03-10-05	



ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
POWER DISSIPATION	Pd	120	mW
CONT. FORWARD CURRENT	If	30	mA
PEAK FORWARD CURRENT*	Ifp	150	mA
REVERSE VOLTAGE	Ve	5	V
OPERATING TEMPERATURE	Topr	-40°C~80°C	°C
STORAGE TEMPERATURE	Tstg	-40°C~85°C	°C
SOLDERING TEMPERATURE	Tsol	260°C (FOR 5 SEC.)	-

*CONDITION FOR Ifp IS 1/10 DUTY CYCLE, 0.1msec PULSE WIDTH

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
LUMINOUS INTENSITY	Iv	If=20mA	-	1200	-	md
FORWARD VOLTAGE	Ve	If=20mA	-	3.5	3.8	V
REVERSE CURRENT	Ia	Vr=5V	-	-	100	µA
PEAK WAVELENGTH	λp	If=20mA	-	461	-	nm
DOMINATE WAVELENGTH	λD	If=20mA	-	466	-	nm
CHROMATICITY COORDINATES	X	If=20mA	-	0.14	-	-
	Y	If=20mA	-	0.48	-	-
SPECTRAL LINE HALF-WIDTH	Δλ	If=20mA	-	22	-	nm
VIEWING ANGLE	2θ1/2	If=20mA	-	45	-	deg

NOTES:

1. ALL DIMS ARE IN INCHES [MILLIMETERS].
2. TOLERANCE IS $\pm 0.10"$ ($\pm 0.25\text{mm}$) 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).

RADIANT INTENSITY µW/sr (typ)
2100

PURITY (%) typ
98

L.E.D. RADIATION COLOR	LENS APPEARANCE
SUPER BLUE	WATER CLEAR

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23105 KASHIWA COURT
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

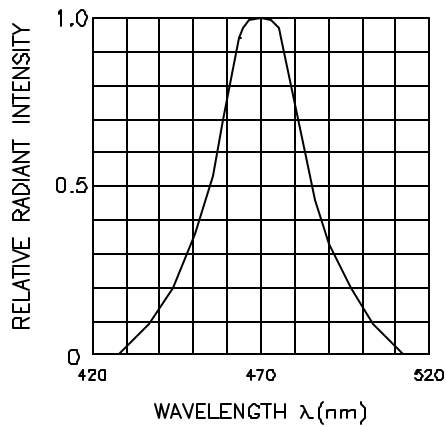
TITLE

L200CWPB4KB-45D

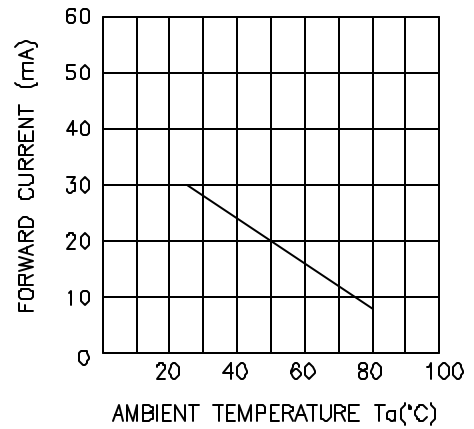
DWG NO	SCALE	SHEET	DATE
DSDC349	2:1	1 OF 2	03-10-05
CODE IDENT NO.	DWG BY	CHK BY	QA
8Z410	RM	PL	JCH
		03-23-05	03-23-05
MNFG	CUSTOMER		

LTR	REVISION	DATE	APPD
—	RELEASED	03-15-05	

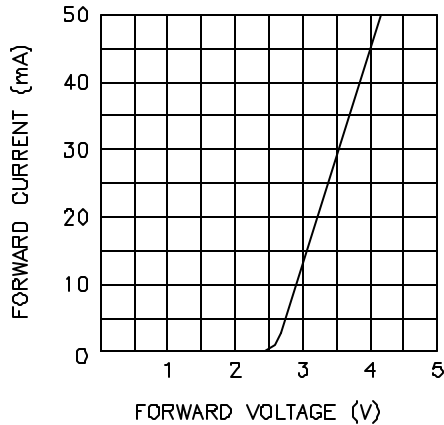
RELATIVE INTENSITY VS. WAVELENGTH



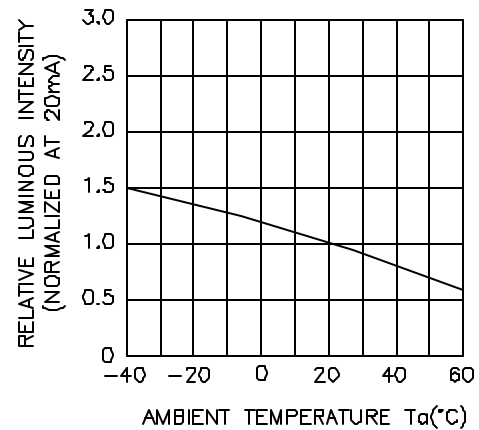
FORWARD CURRENT DERATING CURVE



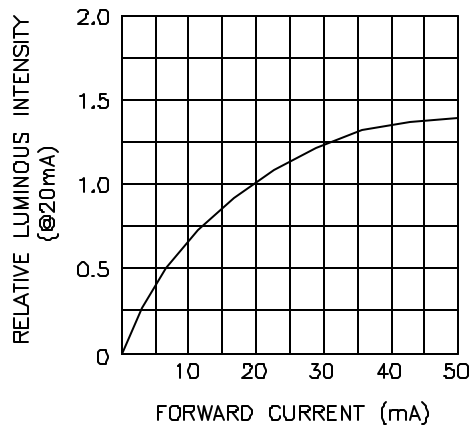
FORWARD CURRENT VS. FORWARD VOLTAGE



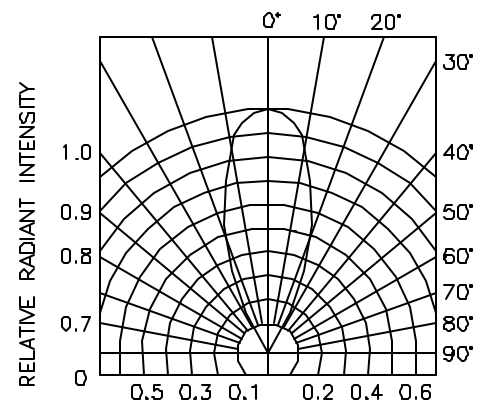
RELATIVE LUMINOUS INTENSITY VS. AMBIENT TEMPERATURE



RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT



RADIATION DIAGRAM



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 .XX ± .025 (UNLESS OTHERWISE STATED)
 ANGLES ± 0°.30°
 FRACT. ± 1/32

TITLE L200CWPB4KB-45D			
DWG NO DSDC0349-A	SCALE 2:1	SHEET 2 OF 2	DATE 03-15-05
CODE IDENT NO. 8Z410	DWG BY RM	CHK BY PL 03-23-05	QA JCH 03-23-05
MFG		CUSTOMER	