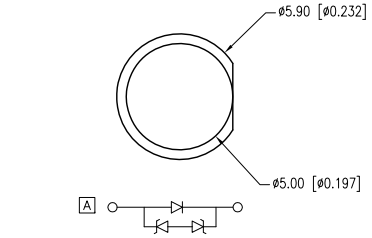
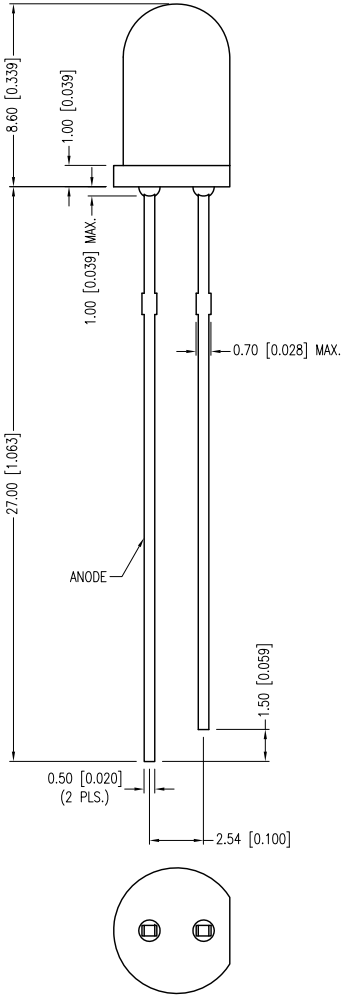
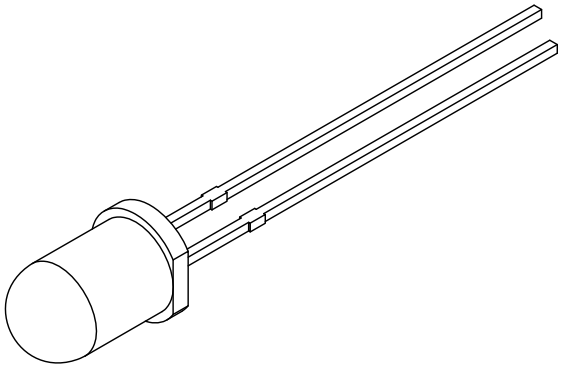
UNCONTROLLED DOCUMENT

PART NUMBER	SSL-LX5093UWC/G	REV.	C

DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.
01.06.06	E.C.N. #11283.	A
10.27.06	E.C.N. #11148.	B
10.10.12	E.C.N. #10BRDR. & REDRAWN.	C







ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH				nm	
FORWARD VOLTAGE		3.5	4.0	Vf	If=20mA
REVERSE VOTLAGE	5.0			Vr	Ir=10µA
AXIAL INTENSITY*	9000		11,000	mcd	If=20mA
CHROMATICITY (X)		0.29			If=20mA
COORDINATES (Y)**		0.30			
VIEWING ANGLE		20		2x theta	
EMITTED COLOR:	WHITE				
LENS FINISH:	WATER CLEAR				

*AXIAL INTENSITY TESTING CONDITION 550nm WAVELENGTH.
**THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT	I_P	100	mA
STEADY CURRENT	I_F	25	mA
POWER DISSIPATION	P_D	100	mW
OPERATING TEMP.	T_{OPR}	-40 TO +85	°C
STORAGE TEMP.	S_{STG}	-40 TO +100	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY		3	SEC.

*DUTY 1/10 PULSE WIDTH 10ms

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= $^{+\text{DECIMAL PRECISION}}_{-0.00}$ MAX.= $^{+0.00}_{-\text{DECIMAL PRECISION}}$

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QUASARBRITE T-5mm (T-1 3/4) ULTRA WHITE LED, WATER CLEAR LENS.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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DATE: 10.10.12	DRAWN BY: AB
PAGE: 1 OF 1	CHKD BY: KF
SCALE: NTS	APRVD BY: KF
UNIT: mm [INCH]	Pb