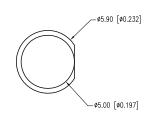
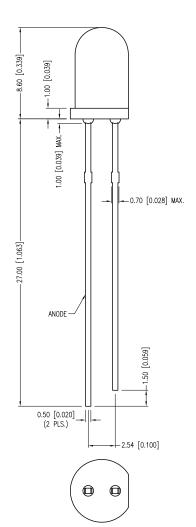
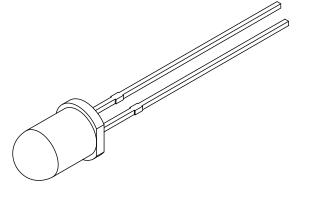
UNCONTROLLED DOCUMENT







PART NUMBER	SSL-LX5093SBT-ECH	REV.	С
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
10.01.04	E.C.N. #11173.		Α
10.23.06	E.C.N. #11148.		В
09.04.12	E.C.N. #10BRDR. & REDRAWN.		С

ELECTRO-OPTICAL	CHARACTERISTICS Ta=25°C	If=20mA			
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		430		nm	
FORWARD VOLTAGE		3.5	4.0	Vf	
REVERSE VOLTAGE	5.0			Vr	lr=100µA
AXIAL INTENSITY	140	500		mcd	If=20mA
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	BLUE				

LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	120	mW
DERATE FROM 25°C	-2.0	mW/*C
OPERATING TEMP.	-20 TO +80	*C
STORAGE TEMP.	-20 TO +80	*C
SOLDERING TEMP.	+260	*C
2.0mm FROM BODY	3	SEC.
* t<10µS		

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

EPOXY LENS FINISH: LIGHT BLUE TRANSPARENT

NOTES:

1. UNTINNED LEADS.

\*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=  $^{+}$ DECIMAL PRECISION MAX.=  $^{+}$ DECIMA LINICONTROLLED DOCLIMENT



425 N. GARY AVE. CAROL STREAM, IL 60188-4900 PHONE: +1.800.278.5666 FAX: +1.630.315.2152 WEB: WWW.LUMEX.COM MEMBER OF ITW PHOTONICS GROUP QUASARBRITE T-5mm (T-1 3/4) 430nm BLUE LED, BLUE TRANSPARENT LENS.

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

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ON	DIVC	DIVITULL	ED DOCUMENT		
	DATE:	09.04.12	DRAWN BY:	AB	
	PAGE:	1 OF 1	CHKD BY:	KF	
	SCALE:	NTS	APRVD BY:	KF	
	UNIT: mm [INCH]		Pb)		