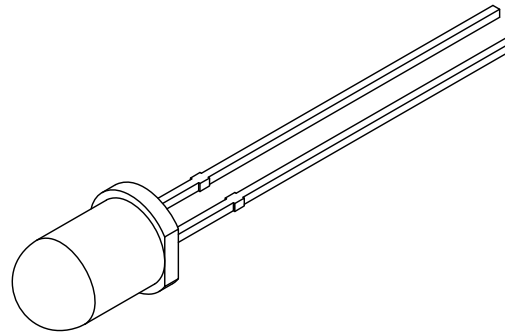
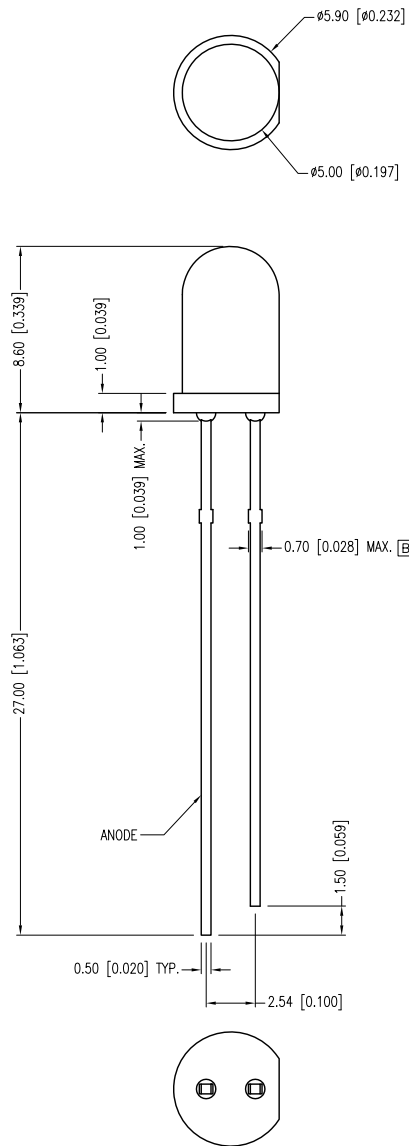


PART NUMBER	SSL-LX5093USBC	REV.	B
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
05.14.01	E.C.N. #10BRDR. & REDRAWN.		A
03.28.11	E.C.N. #11703/10BRDR. & REDRAWN.		B



**[B] ELECTRO-OPTICAL CHARACTERISTICS  $T_a=25^{\circ}\text{C}$   $I_f=20\text{mA}$**

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		470		nm	
FORWARD VOLTAGE		3.3	4.0	Vf	
REVERSE VOLTAGE	5.0			Vr	$I_f=100\mu\text{A}$
AXIAL INTENSITY	1900	3000		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		16		2x theta	
EMITTED COLOR:	BLUE				
LENS FINISH:	WATER CLEAR				

**[B] LIMITS OF SAFE OPERATION AT 25°C**

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	120	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC.

\*  $t < 10\mu\text{s}$

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= <sup>+DECIMAL PRECISION</sup> <sub>-0.00</sub> MAX.= <sup>+0.00</sup> <sub>-DECIMAL PRECISION</sub>



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QUASARBRITE T-5mm (T-1 3/4) 470nm ULTRA SUPER BLUE 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:	03.28.11	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	BC
SCALE:	NTS	APRVD BY:	BC
UNIT:	mm [INCH]		Ⓟ