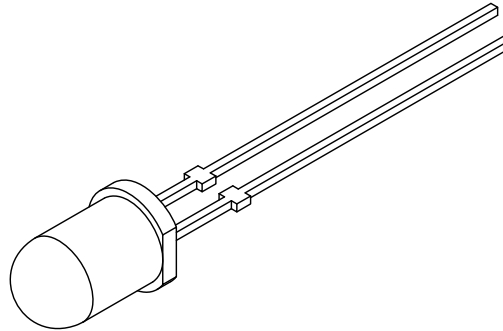
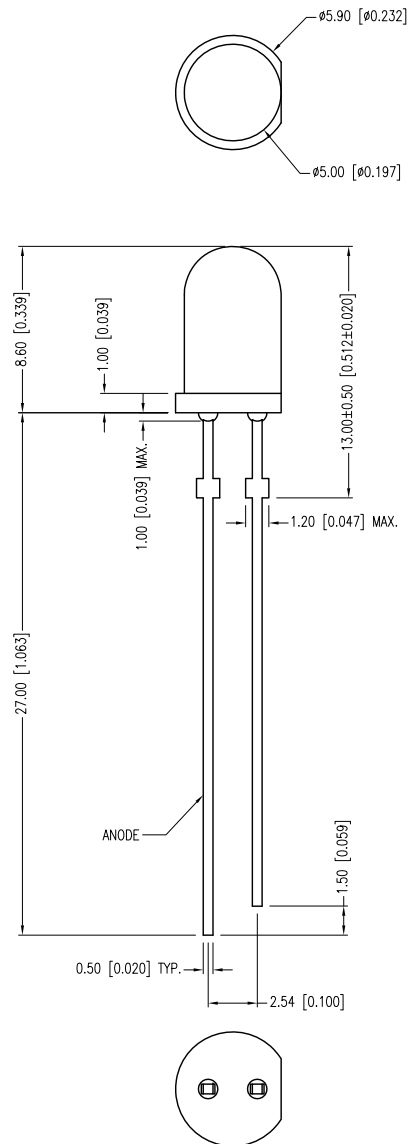


PART NUMBER	SSL-LX5093USB44177	REV.	D
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
12.29.08	E.C.N. #11607.		A
01.08.10	E.C.N. #11612.		B
03.17.10	E.C.N. #11625.		C
10.10.12	E.C.N. #10BRDR. & REDRAWN.		D



[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	2.8	3.3	3.6	V _f	
REVERSE VOLTAGE	5.0			V _r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		2200		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	BLUE				
LENS FINISH:	WATER CLEAR				

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 +100	°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.

[A] NOTES:

1. CUSTOMER P/N 1-00235-02

*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= $^{+0.000}_{-0.000}$ DECIMAL PRECISION MAX.= $^{+0.000}_{-0.000}$ DECIMAL PRECISION

UNCONTROLLED DOCUMENT

QUASARBRITE T-5mm (T-1 3/4) 470nm InGaN BLUE LED, WATER CLEAR LENS, STANDOFFS.

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]		Ⓟ