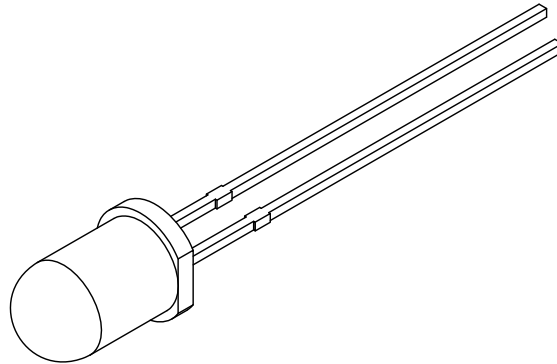
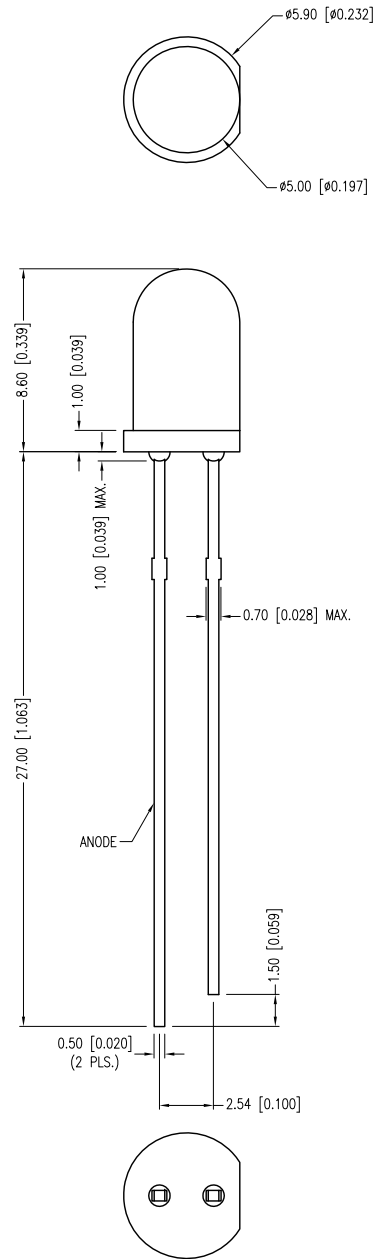


PART NUMBER	SSL-LX5093SBT-ECH	REV.	C
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
10.01.04	E.C.N. #11173.		A
10.23.06	E.C.N. #11148.		B
09.04.12	E.C.N. #10BRDR. & REDRAWN.		C



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	Ir=100μA
AXIAL INTENSITY	140	500		mcd	If=20mA
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	BLUE				
EPOXY LENS FINISH:	LIGHT BLUE TRANSPARENT				

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.

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 -0.00 MAX.= +0.00 -DECIMAL PRECISION

UNCONTROLLED DOCUMENT