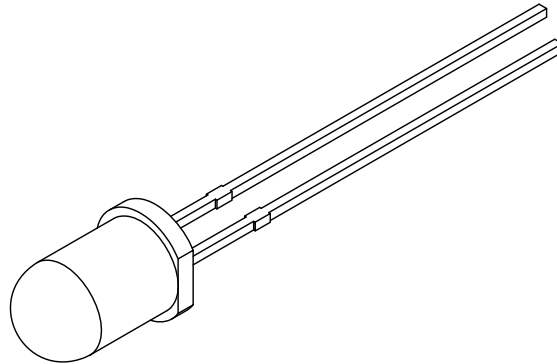
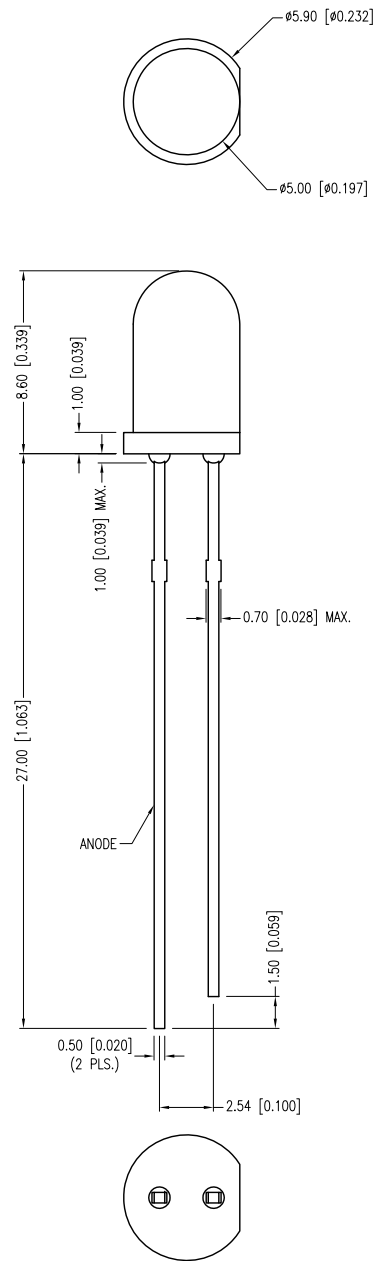


PART NUMBER	SSL-LX5093UPGC/F	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
10.10.12	E.C.N. #10BRDR. & REDRAWN.		A



ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^\circ\text{C}$ $I_f=20\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		525		nm	
FORWARD VOLTAGE		3.7	4.1	V _f	
REVERSE VOLTAGE	5.0			V _r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		16,000		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		20		2x theta	
EMITTED COLOR:	GREEN				
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	-1.48	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC.

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

*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= $+\frac{\text{DECIMAL PRECISION}}{-0.00}$ MAX= $+\frac{0.00}{-\text{DECIMAL PRECISION}}$

UNCONTROLLED DOCUMENT