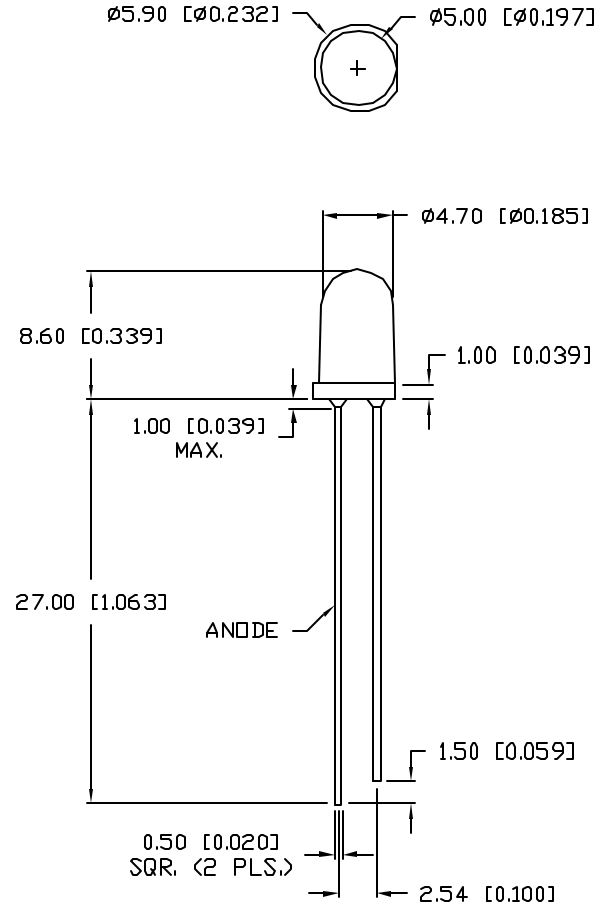


UNCONTROLLED DOCUMENT

PART NUMBER
SSL-LX5093XRC

REV.
C

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	REDRAWN.	10.14.99
B	E.C.N. #10BRDR. & REDRAWN IN 3D.	5.18.01
C	E.C.N. #11148	10.30.06



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660		nm	
FORWARD VOLTAGE		1.7	2.2	V _f	
REVERSE VOLTAGE	4.0			V _r	I _r =100 μ A
AXIAL INTENSITY		1200		med	I _f =20mA
VIEWING ANGLE		20		2x theta	
EMITTED COLOR:	RED				
EPOXY 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	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX

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



*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=+0.00/-0.00, MAX=+0.00/-0.00

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REV. C PART NUMBER SSL-LX5093XRC

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T-5mm (T-1 3/4) 660nm SUPER RED LED,
WATER CLEAR TAPERED LENS.

RELIABILITY NOTE
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

DRAWN BY: JC CHECKED BY: APPROVED BY: DATE: 10.30.06
PAGE: 1 OF 1
SCALE: N/A