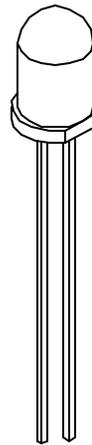
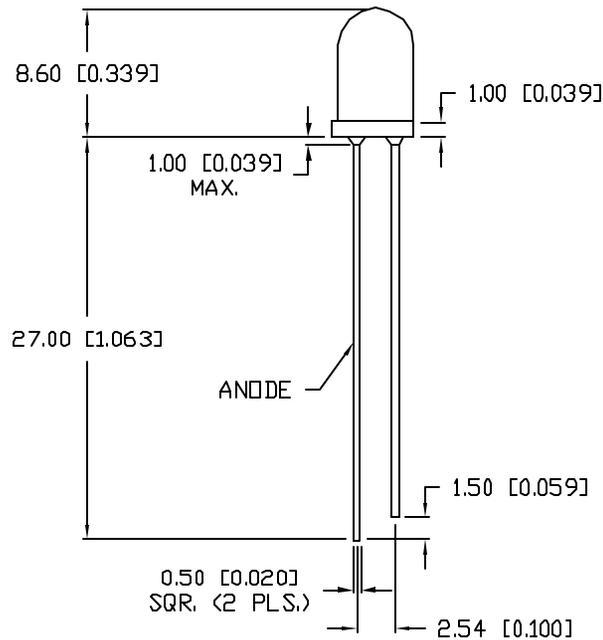
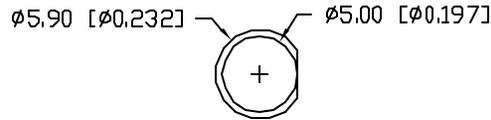


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PART NUMBER
SSL-LX5093SUVC

REV.
B

CAUTION: EMITS ULTRAVIOLET RADIATION
PROTECT YOUR EYES AND SKIN DURING OPERATION,
AS UV RADIATION MAY BE HARMFUL TO YOUR HEALTH.



REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11069.	12.19.03
B	E.C.N. #11148.	01.25.07

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		380		nm	
FORWARD VOLTAGE		3.4	3.9	V _f	
REVERSE VOLTAGE	4.0			V _r	I _r =100μA
AXIAL INTENSITY		70		med	I _f =20mA
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	VIOLET				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	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<10μS		

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.



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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN= ^{+0.00} _{-0.00} DECIMAL PRECISION MAX= ^{+0.00} _{-0.00} DECIMAL PRECISION

REV. B	PART NUMBER SSL-LX5093SUVC
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T-5mm (T-1) 380nm SUPER ULTRA VIOLET LED,
WATER CLEAR 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.

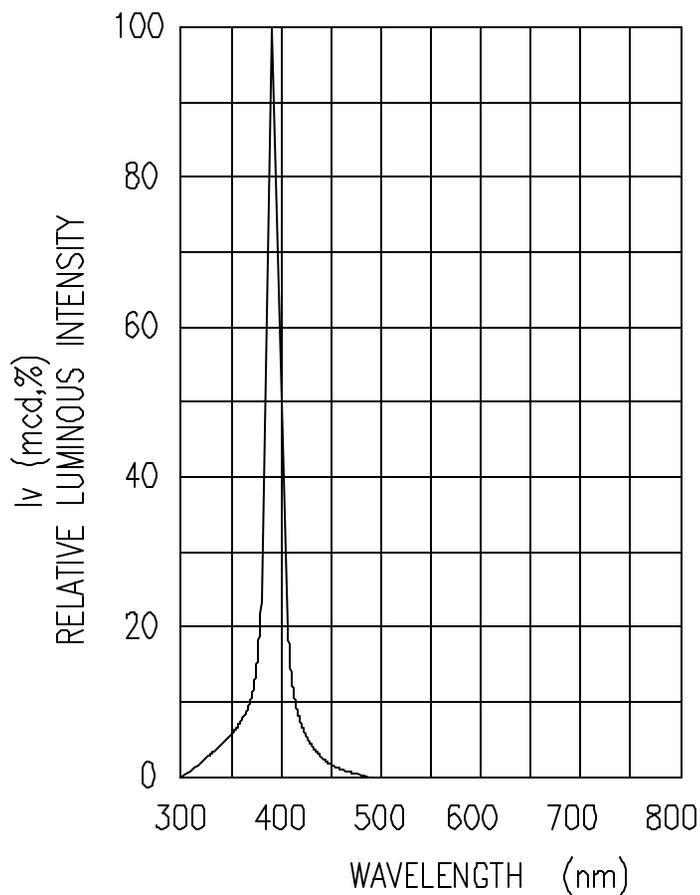
DRAWN BY: JC	CHECKED BY:	APPROVED BY:	DATE: 4.3.02
			PAGE: 1 OF 1
			SCALE: N/A

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REV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11069.	12.19.03
B	SEE PAGE 1	



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REV. B	PART NUMBER SSL-LX5093SUVC
T-5mm (T-1) 380nm SUPER ULTRA VIOLET LED, WATER CLEAR LENS.	

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