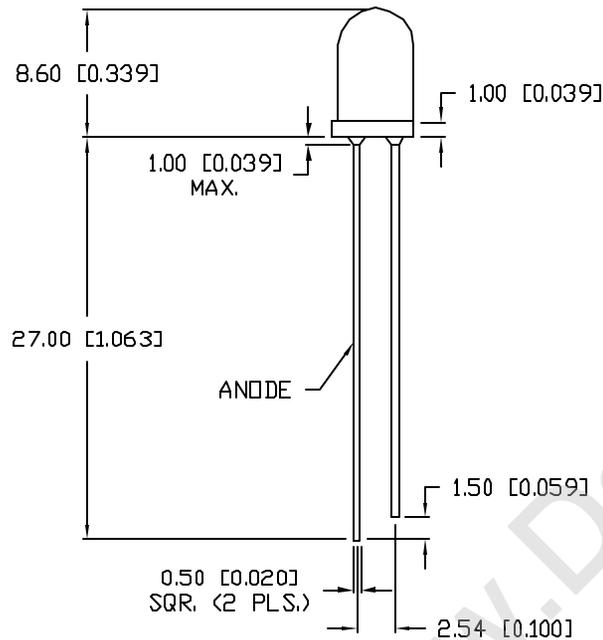
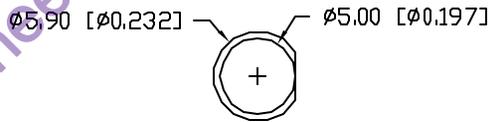


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PART NUMBER
SSL-LX5093LGT-11

REV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	ADDED MIN, MAX WAVELENGTHS.	11.28.95
B	E.C.N. #10BRDR. & REDRAWN IN 3D.	5.25.01



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
▣ PEAK WAVELENGTH	561	565	569	nm	
FORWARD VOLTAGE		2.2	2.6	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =100μA
AXIAL INTENSITY		80		med	I _f =20mA
		1.0		med	I _f =2mA
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN TRANSPARENT				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	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		

*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} DECIMAL PRECISION MAX. = ^{+0.00} _{-0.00} DECIMAL PRECISION

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REV. B PART NUMBER SSL-LX5093LGT-11

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T-5mm (T-1 3/4) 565nm GREEN LED,
GREEN TRANSPARENT LENS, LOW CURRENT SELECTION.

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: BC CHECKED BY: APPROVED BY: DATE: 11.27.95
PAGE: 1 OF 1
SCALE: N/A