

UNCONTROLLED DOCUMENT

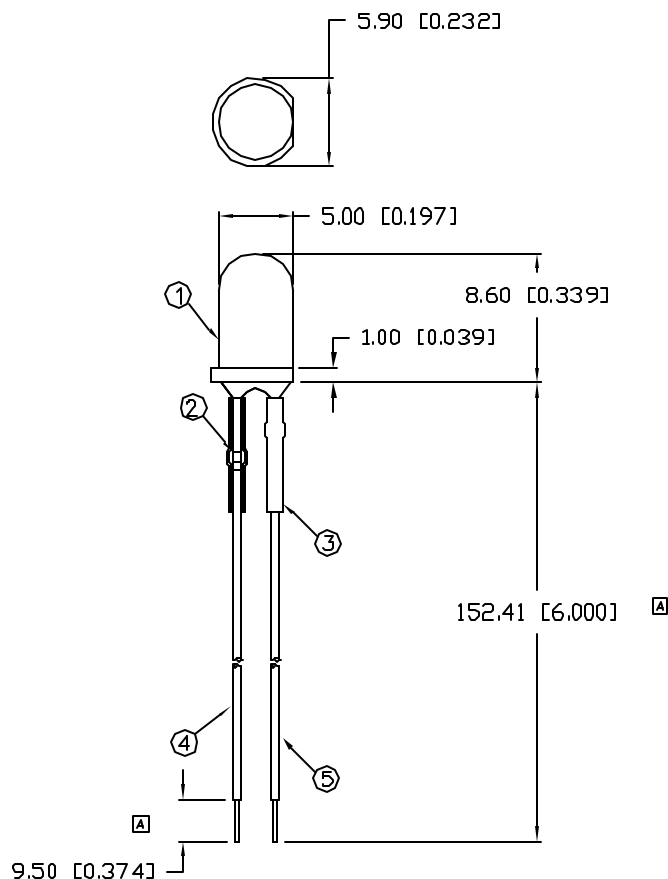
PART NUMBER
SSI-LX5093GD-150REV.
A

REV. E.C.N. NUMBER AND REVISION COMMENTS

DATE

A E.C.N. #11178.

10.12.04



ELECTRO-OPTICAL CHARACTERISTICS TA=25 °C IF=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565 (GREEN)		nm	
ⓐ FORWARD VOLTAGE		2.2	2.6	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =100uA
ⓐ AXIAL INTENSITY		30.0		mcd	I _f =20mA
ⓐ VIEWING ANGLE		60		2x theta	
EMITTED COLOR	GREEN				
EPOXY LENS FINISH	GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT 25 DEG. 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
LEAD SOLDERING TEMP.	+260	°C
1.6mm FROM BODY		5 SEC. MAX

* t<10uS

ⓐ NOTES:

1. SSL-LX5093GD LED, TRIM LEADS TO 5mm.
2. CRIMP LEAD WIRES TO LED LEADS.
3. HEAT SHRINK INSULATION, 1/16" X 12.5mm (2 PIECES).
4. ANODE: LXP-WST24RDT0C, CUT AT 150mm, STRIP 3mm & 9.5mm.
5. CATHODE: LXP-WST24BLT0C, CUT AT 150mm, STRIP 3mm & 9.5mm.

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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=+DECIMAL PRECISION MAX=+0.00 DECIMAL PRECISION

REV.

A

PART NUMBER

SSI-LX5093GD-150

T-5 (T 1-3/4) LED, GREEN DIFFUSED,
6" WIRE LEADS

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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.



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SCALE: N/A

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