

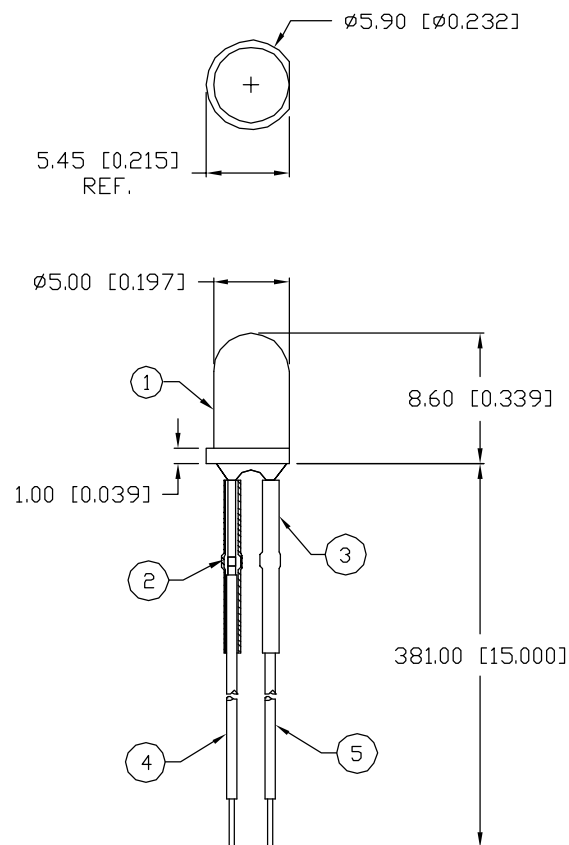
UNCONTROLLED DOCUMENT

PART NUMBER  
SSI-LX5093LGD-380

REV.

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

DATE



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565 (GREEN)		nm	
FORWARD VOLTAGE		2.2	2.6	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY		30		mcd	$I_f=20\text{mA}$
	1.0			mcd	$I_f=2\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM $25^{\circ}\text{C}$	-1.2	mW/ $^{\circ}\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

NOTES:

1. SSL-LX5093LGD LED, CUT LEADS AT 5mm.
2. CRIMP LEAD WIRES TO CUT LED LEADS.
3. HEAT SHRINK INSULATION, 1/16" X 13mm (2 PIECES).
4. ANODE: LXP-WST24RDT0C, CUT AT 385mm, STRIP 3mm & 9.5mm.
5. CATHODE: LXP-WST24BLT0C, CUT AT 385mm, STRIP 3mm & 9.5mm.

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\*UNLESS OTHERWISE SPECIFIED TOLERANCE IS  $\pm 0.25\text{mm}$  ( $\pm 0.010"$ )

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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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DRAWN BY: CHECKED BY: APPROVED BY: DATE: 6-22-99

T-5mm (T-1 3/4) LED, GREEN DIFFUSED LED,  
WITH 15" WIRE LEADS, LOW CURRENT SELECTION.

MF/BC

PAGE: 1 OF 1

SCALE: N/A

# Mouser Electronics

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