

UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SSL-LX5093ID-5V		C
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	REDRAWN.	6.10.94
B	E.C.N. #10BRDR. & REDRAWN IN 3D.	5.24.01
C	E.C.N. #11148	10.19.06



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $V_f=5\text{ V}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		5.0	7.0	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		20		mcd	$V_f=5\text{ V}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD VOLTAGE	7.0	V
STEADY CURRENT	12	mA
POWER DISSIPATION	310	mW
DERATE FROM 25°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



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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

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290 E. HELEN ROAD
 PALATINE, IL 60067-6976
 PHONE: +1.847.359.2790
 US WEB: www.lumex.com
 TW WEB: www.lumex.com.tw

T-5mm (T-1 3/4) 635nm RED LED,
 RED DIFFUSED LENS, 5 VOLT OPERATION.

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:	CHECKED BY:	APPROVED BY:	DATE: 10.19.06
JC			PAGE: 1 OF 1
			SCALE: N/A