



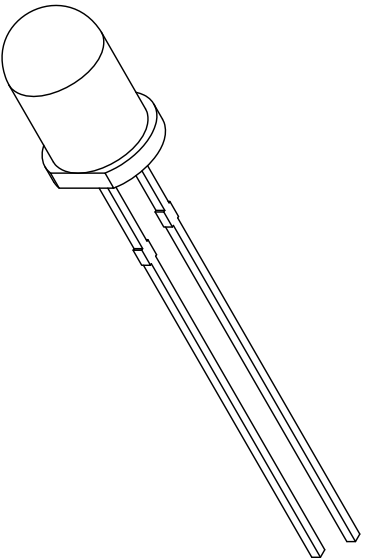
**THE DATASHEET OF
SSL-LX5093LIT**



PART NUMBER	SSL-LX5093LIT		REV.	B
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.	
10.23.06	E.C.N. #11148.		A	
02.16.12	E.C.N. #10BRDR. & REDRAWN.		B	

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		2.0	2.5	V _f	$I_f=100\mu\text{A}$
REVERSE VOLTAGE	5.0			V _r	$I_f=20\text{mA}$
AXIAL INTENSITY		200		md	$I_f=20\text{mA}$
VIEWING ANGLE	4.0		30	2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED TRANSPARENT				



MAX.

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +95	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC.

* I_C10µs

φ0.197]

±0.1 (±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.= -0.001, DECIMAL PRECISION MAX.= +0.001, DECIMAL PRECISION

DATE: 02.16.12 DRAWN BY: AB

PAGE: 1 OF 1 CHKD BY: DT

SCALE: NTS APRVD BY: KF

UNIT: mm [INCH]

UNCONTROLLED DOCUMENT

QUASARBRITE T-5mm (T-1 3/4) 635nm RED LED, RED TRANSPARENT LENS, LOW CURRENT SELECTION.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT

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