



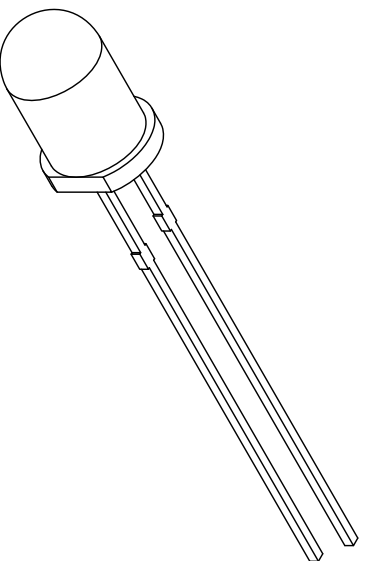
**THE DATASHEET OF
SSL-LX5093LID**



PART NUMBER	SSL-LX5093L1D		REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS			REV.
05.15.90	CHG'D AXIAL INTENSITY.			A
01.06.95	REDRAWN, UPDATED SPECS.			B
05.25.01	E.C.N. #10BRDR. & REDRAWN IN 3D.			C
10.23.06	E.C.N. #11148.			D
02.16.12	E.C.N. #10BRDR. & REDRAWN.			E

[60.232]

00.197]



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

PARAMETER	MIN	TPP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		2.0	2.5	Vf	$I_f=100\mu\text{A}$
REVERSE VOLTAGE	5.0			Vr	$I_f=20\text{mA}$
AXIAL INTENSITY		40		md	$I_f=20\text{mA}$
	1.0			md	$I_f=2\text{mA}$
VIEWING ANGLE		60		2θ theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

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<10µs

MAX.

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.= -0.000, DECIMAL PRECISION MAX.= +0.000, DECIMAL PRECISION

DATE: 02.16.12
 DRAWN BY: AB
 CHECK BY: DT
 APPROV BY: KF

UNCONTROLLED DOCUMENT

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

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

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DATE: 02.16.12
 DRAWN BY: AB
 CHECK BY: DT
 APPROV BY: KF

UNIT: mm [INCH]



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