

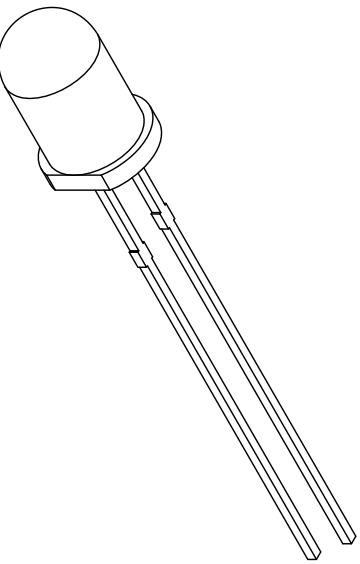


**THE DATASHEET OF
SSL-LX5093IID**



PART NUMBER		SSL-LX5093IID		REV.	D
DATE	E.C.N. NUMBER AND REVISION COMMENTS			REV.	
02.10.95	REDRAWN, UPDATED SPECS.			A	
05.24.01	E.C.N. #10BRDR. & REDRAWN.			B	
10.23.06	E.C.N. #11148.			C	
02.13.12	E.C.N. #10BRDR & REDRAWN.			D	

[90.232]



90.197]

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	
AXIAL INTENSITY		20		md	$I_f=20\text{mA}$
VIEWING ANGLE		60		2α 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	-1.6	mW/ $^{\circ}\text{C}$
OPERATING TEMP.	-40 TO +85	$^{\circ}\text{C}$
STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0mm FROM BODY	3	SEC.

* $t_1 < 10\text{S}$

MAX.

X±1 (+0.039), X.X=±0.5 (+0.020), X.XX=±0.25 (+0.010), X.XXX=±0.127 (+0.009), LEAD SIZE=±0.05 (+0.002), LEAD LENGTH=±0.75 (+0.030), MIN.= -0.000, DECIMAL PRECISION MAX.= +0.000, DECIMAL PRECISION

DATE: 02.13.12 DRAWN BY: AB

PAGE: 1 OF 1 CHKD BY: KF

SCALE: NTS APRVD BY: SS

UNIT: mm [INCH]

UNCONTROLLED DOCUMENT

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

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

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