



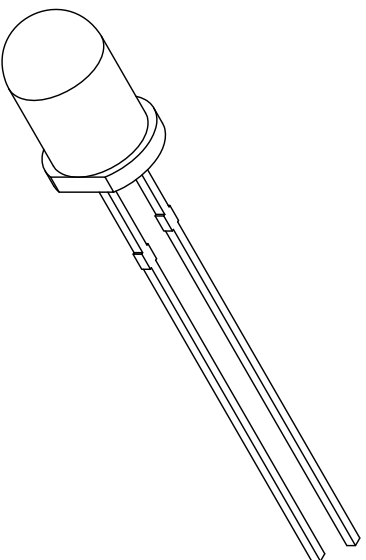
THE DATASHEET OF SSL-LX5093SID



PART NUMBER	SSL-LX5093SID		REV.	B
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.	
10.24.06	E.C.N. #11148.		A	
09.19.12	E.C.N. #10BRDR. & REDRAWN.		B	

[60.232]

60.197]



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636		nm	
FORWARD VOLTAGE		2.0	2.5	Vf	$I_f=100\mu\text{A}$
REVERSE VOLTAGE	5.0			Vr	
AXIAL INTENSITY		700		md	$I_f=20\text{mA}$
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 +85	°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.= +DECIMAL PRECISION MAX.= +0.00
 -DECIMAL PRECISION
 PAN. TL 60188-4900
 800.278.5666
 3.315.2152
 LUXEY.COM
 /TW PHOTONICS GROUP

QUASARBRITE T-5mm (T-1 3/4) 636nm SUPER HIGH INTENSITY RED LED, RED DIFFUSED LENS.

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

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DATE:	09.19.12	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	KF
UNIT:	mm [INCH]		



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