



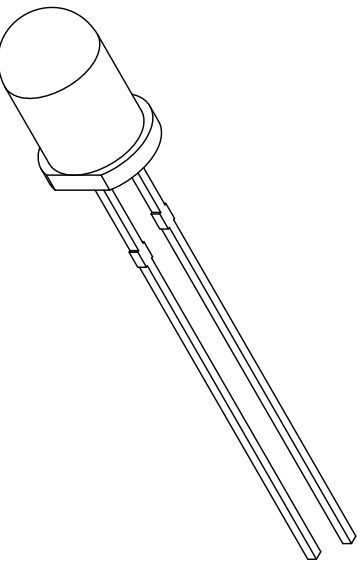
**THE DATASHEET OF
SSL-LX5093SRD/G**



PART NUMBER	SSL-LX5093SRD/X		REV.	C
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.	
05.31.01	E.C.N. #10BRDR. & REDRAWN IN 3D.		A	
10.25.06	E.C.N. #11148.		B	
09.27.12	E.C.N. #10BRDR. & REDRAWN.		C	

[90.232]

[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		660		nm	
FORWARD VOLTAGE		1.7	2.2	Vf	
REVERSE VOLTAGE	4.0			Vr	$I_f=100\mu\text{A}$
AXIAL INTENSITY /D		250		md	$I_f=20\text{mA}$
		400		md	$I_f=20\text{mA}$
		600		md	$I_f=20\text{mA}$
		850		md	$I_f=20\text{mA}$
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 CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	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.= -0.000, DECIMAL PRECISION MAX.= +0.000, DECIMAL PRECISION

DATE: 09.27.12 DRAWN BY: AB

PAGE: 1 OF 1 CHKD BY: KF

SCALE: NTS APRVD BY: KF

UNIT: mm [INCH]

UNCONTROLLED DOCUMENT

QUASARBRITE T-5mm (T-1 3/4) 660nm SUPER 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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Y AFE
 SAN TL 60188-4900
 800.278.5666
 3.0315.2152
 LUXEY.COM
 /TW PHOTONICS GROUP

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