



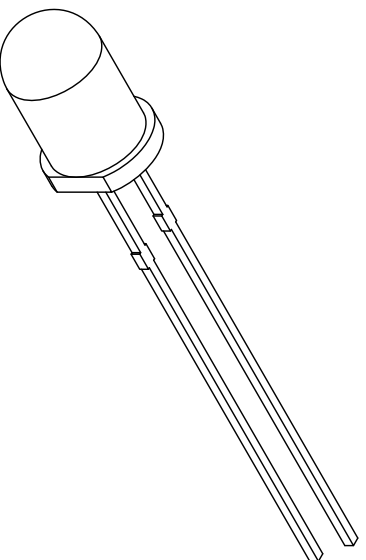
**THE DATASHEET OF
SSL-LX5093GC**



PART NUMBER	SSL-LX5093GC	REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	
03.01.92	ADDED AXIAL INTENSITY TO TABLE.	A	
05.08.96	E.C.N. #10112 #10113.	B	
05.29.01	E.C.N. #10BRDR. & REDRAWN IN 3D.	C	
10.19.06	E.C.N. #11148	D	
02.01.12	E.C.N. #10BRDR. & REDRAWN.	E	

[60.232]

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

PARAMETER	MIN	TPP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.2	2.6	Vf	$I_f=100\mu\text{A}$
REVERSE VOLTAGE	5.0			Vr	$I_f=20\text{mA}$
AXIAL INTENSITY		50		md	
VIEWING ANGLE		30		2θ theta	
EMITTED COLOR:		GREEN			
EPoxy LENS FINISH:		WATER CLEAR			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	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.= -0.00, DECIMAL PRECISION MAX.= +0.00, DECIMAL PRECISION

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 /TW PHOTONICS GROUP

QUASARBRITE T-5mm (T-1 3/4) 565nm GREEN LED, WATER CLEAR LENS.

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

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DATE:	02.01.12	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	KF
UNIT:	mm [INCH]		



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