

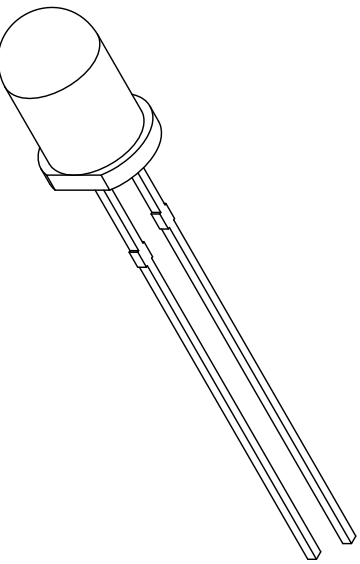


**THE DATASHEET OF
SSL-LX5093GD-12V**



PART NUMBER	SSL-LX5093GD-12V	REV.	D
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	
06.04.94	REDRAWN.	A	
05.29.01	E.C.N. #10BRDR. & REDRAWN IN 3D.	B	
10.19.06	E.C.N. #11148	C	
02.01.12	E.C.N. #10BRDR. & REDRAWN.	D	

[90.232]



90.197]

ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^{\circ}\text{C}$ $V_f=12\text{V}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		12.0	14.0	Vf	$I_f=100\mu\text{A}$
REVERSE VOLTAGE	5.0			Vr	$V_f=12\text{V}$
AXIAL INTENSITY		20		md	
VIEWING ANGLE		60		$2x$ theta	
EMITTED COLOR:		GREEN			
EPoxy LENS FINISH:		GREEN DIFFUSED			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD VOLTAGE	14	V
STEADY CURRENT	12	mA
POWER DISSIPATION	310	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.

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

UNCONTROLLED DOCUMENT

DATE: 02.01.12 DRAWN BY: AB

PAGE: 1 OF 1 CHKD BY: KF

SCALE: NTS APRVD BY: KF

UNIT: mm [INCH]

QUASARBRITE T-5mm (T-1 3/4) 565nm GREEN LED, GREEN DIFFUSED LENS, 12 VOLT OPERATION.

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

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