

UNCONTROLLED DOCUMENT

PART NUMBER
SLX-LX509F6UWW

REV.

A

REV. E.C.N. NUMBER AND REVISION COMMENTS

DATE

A E.C.N. #11148.

5.7.07

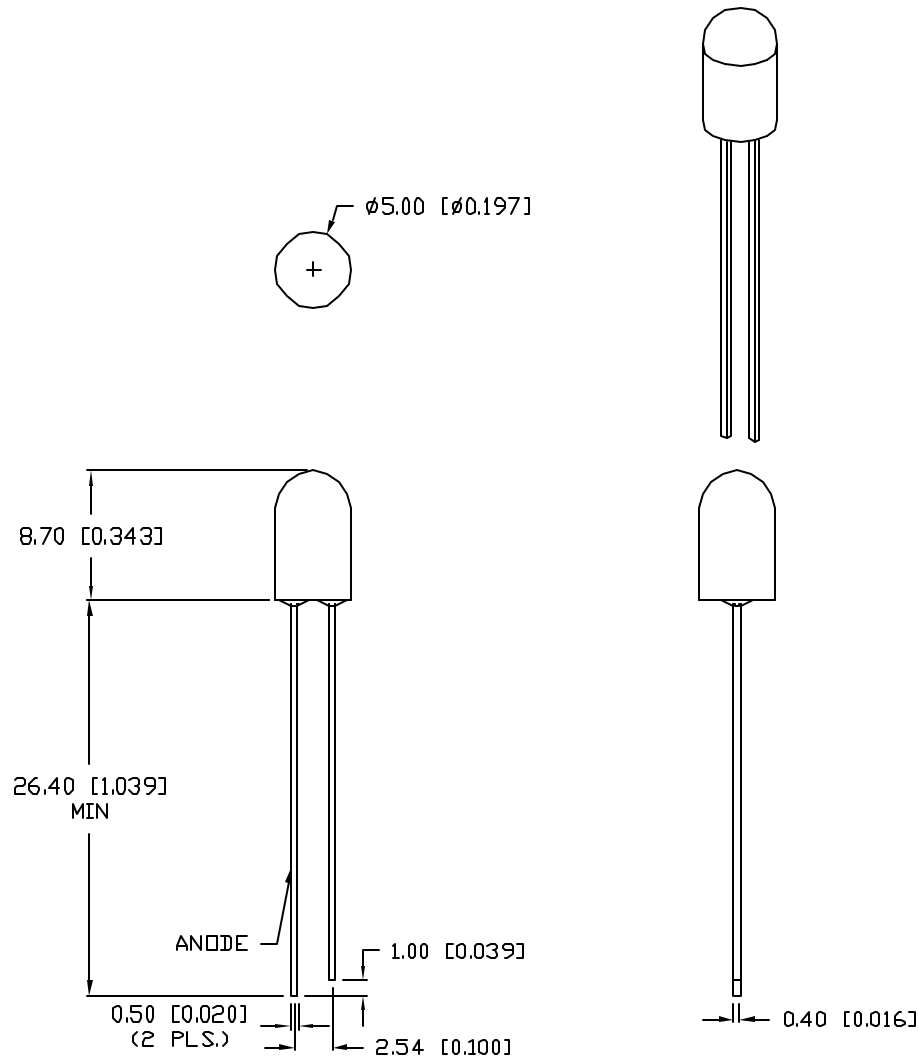
ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
FORWARD VOLTAGE		3.4	3.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY	1600	3000		mcd	$I_f=20\text{mA}$
CHROMATICITY X	0.2020	-	0.3622		
COORDINATES(*1)Y	0.1530	-	0.3939		$I_f=20\text{mA}$
VIEWING ANGLE		40		2x theta	
EMITTED COLOR:	WHITE				
EPOXY LENS FINISH:	WHITE DIFFUSED				

*1. THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	80	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-20 TO +80	$^\circ\text{C}$
STORAGE TEMP.	-30 TO +100	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		5 SEC. MAX

* $T < 10\mu\text{s}$ 

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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: 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}-0.00, MAX.=^{+0.00}-DECIMAL PRECISION

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T-5mm (T-1 3/4) ULTRA WHITE LED,
WHITE DIFFUSED LENS
FLANGLESS.

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RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

DRAWN BY:

JC

CHECKED BY:

APPROVED BY:

DATE: 9.23.05

PAGE: 1 OF 1

SCALE: N/A

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