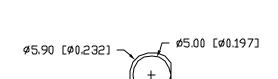
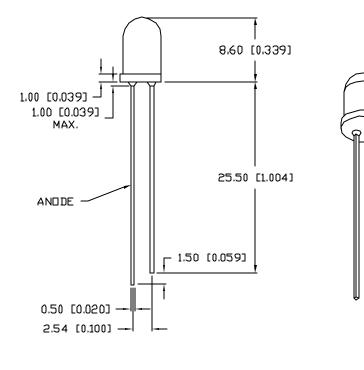
## UNCONTROLLED DOCUMENT

WATER CLEAR LENS.

REV.





## ELECTRO-OPTICAL CHARACTERISTICS TA=25°C

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	test cond	
PEAK WAVELENCTH			-		nm		
FORWARD VOLTAGE	٧f		3.2	4.0	V	lf=20mA	
REVERSE VOLTAGE	۷r	5			V	Ir=1DµA	
AXIAL INTENSITY(*1)	١v	900	220D		med	lf=20mÅ	
CHROMATICITY Coordinates(*2)	X Y		0.22 0.10			l <sub>f</sub> =20mA	
VIEWING ANGLE			20		2x thet	0	
EMITTED COLOR:	PURPLE						
EPOXY LENS FINISH:	WATER CLE	AR					

PART NUMBER

SSL-LX5093VC

\*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH. \*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

## LIMITS OF SAFE OPERATION AT 25°C

JN

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT	١p	100*	mA
STEADY CURRENT	١ <sub>F</sub>	30	mA
POWER DISSIPATION	PD	120	mW
OPERATING TEMP.	Topr	-40 TO +85	<b>'</b> C
STORAGE TEMP.	TSTC	-40 TO +85	<b>.</b> C
SOLDERING TEMP.		+ 260	<b>.</b> C
2.0mm FROM BODY			3 SEC. MAX
*DUTY 1/10 PULSE WIDTH 10	Ims		

<u>Caution: Static Sensitive Device</u> Follow Proper E.S.D. Handling Procedures When Working With This Part,

Pb

SCALE:

N/A

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXX=±0.127 (±0.005). LEAD SZE=±0.05 (±0.02), LEAD LENGTH=±0.75 (±0.030). MIN= $\frac{+0.000}{-0.00}$ MAX.= $\frac{+0.000}{-0.00}$								
PART NUMBER	<u>confidential information</u> The information contained in this document is the property of		E. HELEN ROAD ATINE. IL 60067-6976					
SSL-LX5093VC	LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FORM DESCLIMER AND DESEMINATION TO ALL THRO PARTIES.	PHC US	WEB: www.lumex.com WEB: www.lumex.com					
T-5mm PURPLE LED,	RELABLITY NOTE OUR NAMY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT		APPROVED BY: DATE: 02.26.08					
	SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE.		PAGE: 1 OF 1					

Solder heat is a major cause of early and future failure. Please pay attention to your soldering process. REV.

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