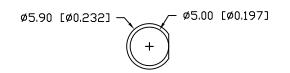
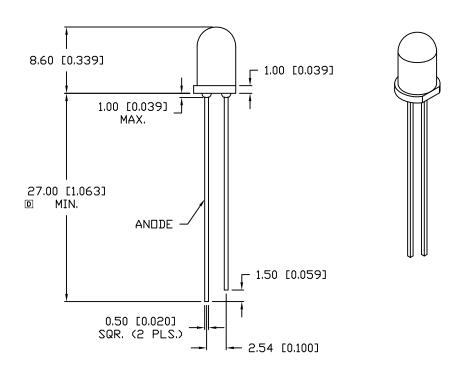
## UNCONTROLLED DOCUMENT





## PART NUMBER SSL-LX5093YD

E.C.N. NUMBER AND REVISION COMMENTS DATE REDRAWN, UPDATED SPECS. 2.10.95 E.C.N. #10BRDR. & REDRAWN IN 3D. 5.25.01 E.C.N. #11148 10.30.06 E.C.N. #11908 06.16.14

ELECTRO-OPTICAL CH	ARACTERIS	TICS TA=25	5°C I	l f= 20mA	
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585		nm	
FORWARD VOLTAGE		2.1	2.5	$v_f$	
REVERSE VOLTAGE	5.0			$V_r$	Ir=100µA
AXIAL INTENSITY		30		mcd	$I_f = 20 \text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	YELLOW	DIFFUSED			

## LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	- 1.2	mW/°C
OPERATING, STORAGE TEMP.	- 40 TO +85	•C
SOLDERING TEMP.	+ 260	•c
2.0mm FROM BODY		3 SEC. MAX

\* t<10µS



REV.

## UNCONTROLLED DOCU

\*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 MAX. = +0.00 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.003). MIN= +DECIMAL PRECISION MAX. = +0.00 (±0.003). MIN= +DECI

REV. PART NUMBER SSL-LX5093YD

T-5mm (T-1 3/4) 585nm YELLOW LED, YELLOW DIFFUSED LENS.

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF 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 FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

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:

CHECKED BY: APPROVED BY: DATE: 10.30.06 PAGE: 1 OF 1 N/A

SCALE: