

DATE	REVISIONS	REV	DRAWING NUMBER SLX-LX5093YD	REV
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Ø5.00[Ø0.197]

Ø5.90[Ø0.232]

ANODE

NOTE

1. LED LEADS SILVER.

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585 (YELLOW)		nm	
FORWARD VOLTAGE		2.1	2.8	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_f=100\mu\text{A}$
AXIAL INTENSITY		25		mcd	$I_r=20\text{mA}$
VIEWING ANGLE		60		$2\times\theta$	
EMITTED COLOR	YELLOW				
EPOXY LENS FINISH	YELLOW DIFFUSED				

LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM $25^{\circ}\text{C}$	-1.2	mW/ $^{\circ}\text{C}$
OPERATING, STORAGE TEMP	-40 TO +85	$^{\circ}\text{C}$
LEAD SOLDERING TEMP	+260	$^{\circ}\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

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.

OPTO COMPONENTS INC.

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PALATINE, ILLINOIS 60067  
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DATE: 11-21-96	DWN:	CHK'D:	APPD:
SCALE: N/A			

T5mm (T-1 3/4) LED, YELLOW DIFFUSED

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MS/DK

# Mouser Electronics

Authorized Distributor

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