

DATE	REVISIONS	REV	DRAWING NUMBER	REV
			SLX-LX5093GD	

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565 (GREEN)		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	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR	GREEN				
EPOXY LENS FINISH	GREEN	DIFFUSED			

Top View Dimensions:
Overall Diameter: $\phi 5.00[\phi 0.197]$
Mounting Pad Diameter: $\phi 5.90[\phi 0.232]$

Side View Dimensions:
Total Height: $8.60[0.339]$
Lens Height: $1.00[0.039]$
Body Height: $1.00[0.039]$
Lead Length: $25.40 \text{ MIN.}[1.00]$
Lead Diameter: $0.50 \text{ SQR.}[0.02]$
Lead Spacing: $2.54[0.100]$
Anode Label: ANODE

NOTE

1. LED LEADS SILVER.

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°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	

* $t < 10\text{uS}$

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.

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DATE:	11-21-96	DWN:	CHK'D:
SCALE:	N/A		APPD:
T5mm (T-1 3/4) LED, GREEN DIFFUSED			
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Mouser Electronics

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