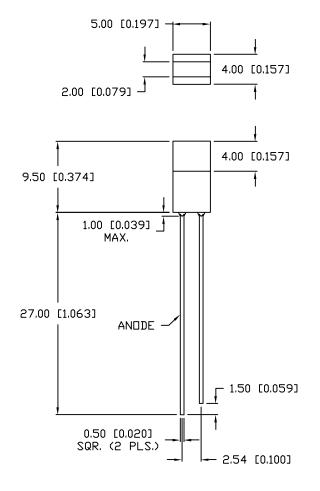
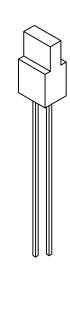
## SSL-LX25493SUGD





ELECTRO-OPTICAL (	CHARACTERI	STICS TA=2	5°C	$I_f = 20 \text{mA}$	
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		574		nm	
FORWARD VOLTAGE		2.2	2.6	$V_{f}$	
REVERSE VOLTAGE	5.0			$V_r$	I <sub>r</sub> =100µA
AXIAL INTENSITY		20		mcd	$I_f = 20 \text{mA}$
VIEWING ANGLE		80		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH	I: GREEN	DIFFUSED			

## 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/*C
OPERATING, STORAGE TEMP.	-40  TO  +85	°C
SOLDERING TEMP.	+ 260	<b>.</b> C
2.0mm FROM BODY		3 SEC. MAX

<sup>\*</sup> t<10µS

UNCONTROLLED DOCUMENT

\*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 LENGTH=±0.75 (±0.030). MIN=+DECIMAL PRECISION MAX.= +0.00 (±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 (±0.005). LEAD SIZE=±0.05 (±0.005). LEAD SIZE=±0.05 (±0.005). MIN=+DECIMAL PRECISION MAX.= +0.00 (±0.005). LEAD SIZE=±0.05 (±0.005). LEAD SIZE=±0.05 (±0.005). LEAD SIZE=±0.05 (±0.005). MIN=+DECIMAL PRECISION MAX.= +0.00 (±0.005). LEAD SIZE=±0.05 (±0.005). LEAD SIZE=±0.05 (±0.005). MIN=+DECIMAL PRECISION MAX.= +0.00 (±0.005). LEAD SIZE=±0.05 (±0.005). MIN=+DECIMAL PRECISION MAX.= +0.00 (±0.005). MIN=+DECIMAL PRECISI

REV.

PART NUMBER SSL-LX25493SUGD

2mm x 5mm RECTANGULAR LED WITH SHOULDER, 574nm AllnGaP GREEN LED, GREEN DIFFUSED LENS.

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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.



CT

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CHECKED BY: APPROVED BY: DATE: DRAWN BY:

4.7.03 PAGE: 1 OF 1 SCALE: N/A