



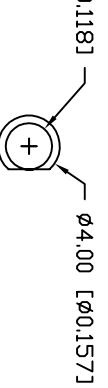
**THE DATASHEET OF
SSL-LX3054GD**



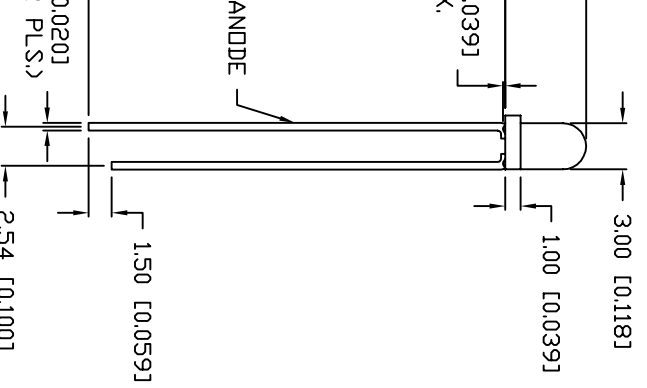
DOCUMENT

UNDER REVISION

SC:0.50		PART NUMBER		REV.
		SSL-LX3054GD		B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE		
A	REDRAWN AND UPDATED SPECS.	7.25.95		
B	E.C.N. #10BRDR. & REDRAWN IN 3D.	4.9.01		



Ø4.00 [Ø0.157]



ELECTRO-OPTICAL CHARACTERISTICS TA=25°C If=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.2	2.6	Vf	If=100µA
REVERSE VOLTAGE	5.0			Vr	If=20mA
AXIAL INTENSITY		12		mcd	If=20mA
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	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	-1.6	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX
* t<10µS		

35 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=-0.00

UNCONTROLLED DOCUMENT

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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.

MEMBER
054GD
GREEN LED,
LENS.

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DATE: 8.9.94
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SCALE: N/A

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