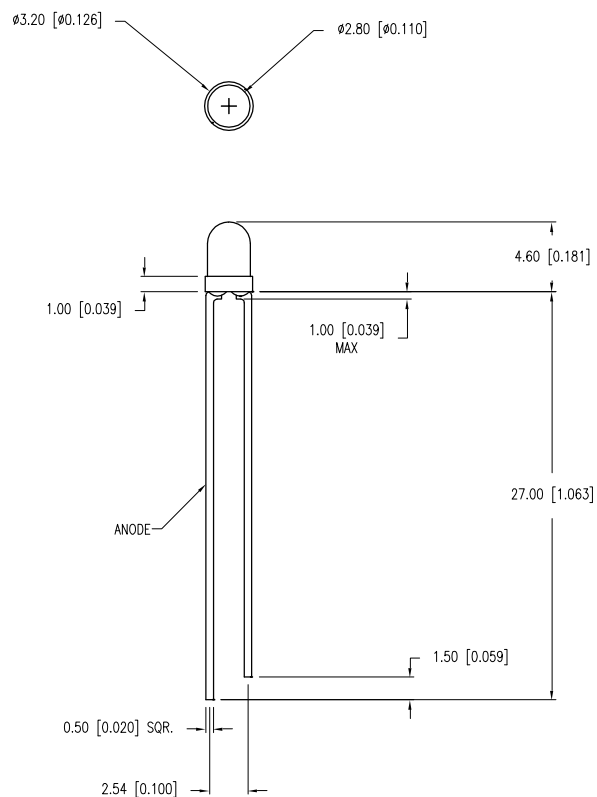


PART NUMBER	SLX-LX3044HD	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV
05.08.07	E.C.N. #11148.		A

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		695		nm	
FORWARD VOLTAGE		2.0	2.8	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_f = 100\mu\text{A}$
AXIAL INTENSITY		6		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

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

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	120	mW
DERATE FROM $25^\circ\text{C}$	- 1.6	mW/ $^\circ\text{C}$
OPERATING TEMP.	- 40 TO +85	$^\circ\text{C}$
STORAGE TEMP.	- 40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+ 260	$^\circ\text{C}$
2.0mm FROM BODY	3	SEC. MAX

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

## NOTES:

- LED LEADS SILVER.
- TOLERANCE  $\pm 0.2$  ( $\pm 0.08$ )

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X= $\pm 1$  ( $\pm 0.039$ ), X.X= $\pm 0.5$  ( $\pm 0.020$ ), X.XX= $\pm 0.25$  ( $\pm 0.010$ ), X.XXX= $\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN= +DECIMAL PRECISION -0.00 MAX= +0.00 -DECIMAL PRECISION

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T-3 (T-1) LED, RED DIFFUSED.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

## CONFIDENTIAL INFORMATION

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DATE: 11.29.96	DRAWN BY: JC
PAGE: 1 OF 1	CHKD BY: JD
SCALE: N/A	APRVD BY: KF
UNIT: mm [INCH]	(R) [A]

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Authorized Distributor

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