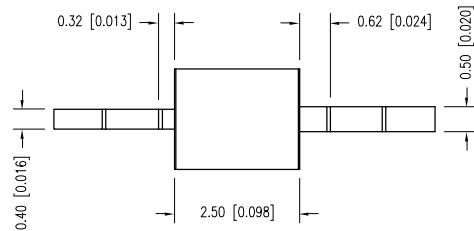
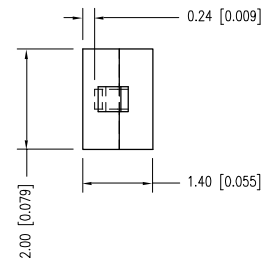


PART NUMBER	SSL-LXA1008USBTR21	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
06.09.10	E.C.N. #11628.		A



ANODE  CATHODE



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		470		nm	
FORWARD VOLTAGE		3.5	4.0	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		45		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		140		$2\times\theta$	
EMITTED COLOR:	BLUE				
EPOXY LENS FINISH:	WATER CLEAR				

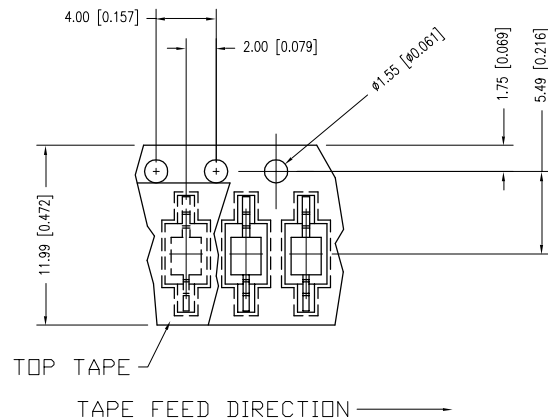
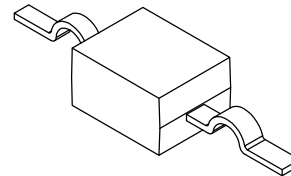
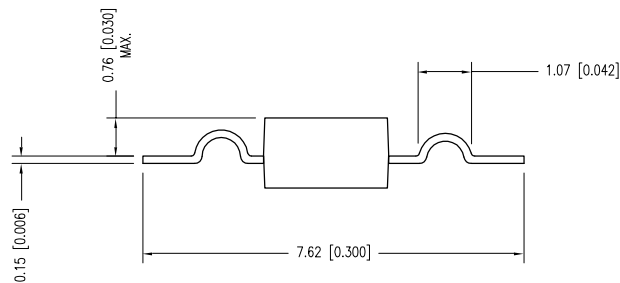
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	98	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-40 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

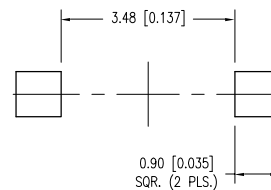
* $t < 10\mu\text{s}$

NOTES:

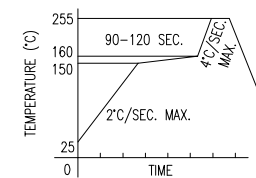
1. 1,500 PIECES PER REEL.
2. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.



RECOMMENDED SOLDER PAD LAYOUT



LEAD FREE REFLOW PROFILE
10 SEC. MAX.



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $x=\pm 1$ (± 0.039), $x.x=\pm 0.5$ (± 0.020), $x.xx=\pm 0.25$ (± 0.010), $x.xxx=\pm 0.127$ (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN= $\begin{matrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$ MAX.= $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$



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470 SUPER BLUE, WATER CLEAR LENS, SURFACE MOUNT LED, YOKE BEND AXIAL LEADS.

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

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DATE:	11.16.06	DRAWN BY:	JC
PAGE:	1 OF 1	CHKD BY:	JN
SCALE:	N/A	APRVD BY:	YA
UNIT:	mm [INCH]		(P)