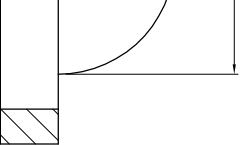
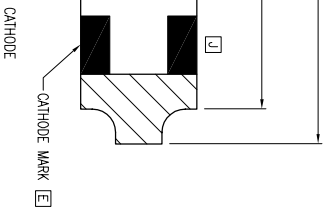
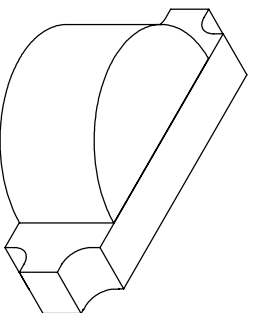




**THE DATASHEET OF
SML-LXR85YC-TR**



PART NUMBER		SML-LXR85YC-TR		REV.	L
DATE	E.C.N. NUMBER AND REVISION COMMENTS			REV.	
08.23.96	E.C.N. #10230.			A	
10.24.96	E.C.N. #10263			B	
05.02.97	E.C.N. #10338			C	
07.22.97	E.C.N. #10366.			D	
09.19.97	E.C.N. #10380.			E	
10.15.97	E.C.N. #10BRDR. & REDRAWN.			F	
03.05.98	E.C.N. #10419.			G	
10.23.98	E.C.N. #10471.			H	
07.18.00	E.C.N. #10644.			I	
07.30.01	E.C.N. #10BRDR. & #10771.			J	
08.12.05	E.C.N. #11248.			K	
03.18.11	E.C.N. #10BRDR. & REDRAWN/ #11704.			L	



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

PARAMETER	MIN	TPP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585		nm	
FORWARD VOLTAGE		2.1	2.6	V _f	I _f =100μA
REVERSE VOLTAGE	5.0			V _r	I _f =20mA
AXIAL INTENSITY		10		mcd	
VIEWING ANGLE		130		2x theta	
EMITTED COLOR:		YELLOW			
EPOXY LENS FINISH:		WATER CLEAR			

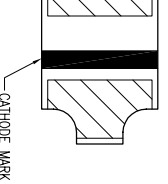
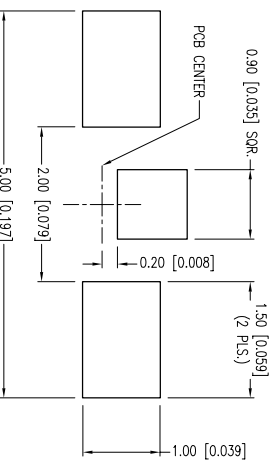
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	65	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-25 TO +85	°C
STORAGE TEMP.	-30 TO +85	°C

* I_c<10μS

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

RECOMMENDED SOLDER PAD LAYOUT



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 DECMAL PRECISION MAX.=+0.00 DECMAL PRECISION

HELEN ROAD
E. IL 60067-6976
+1.847.359.2790
WWW.LUMEX.COM

0.5mm x 3.2mm PCB, RIGHT ANGLE SURFACE MOUNT LED, 585nm YELLOW, WATER CLEAR LENS, 3K PER REEL.

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

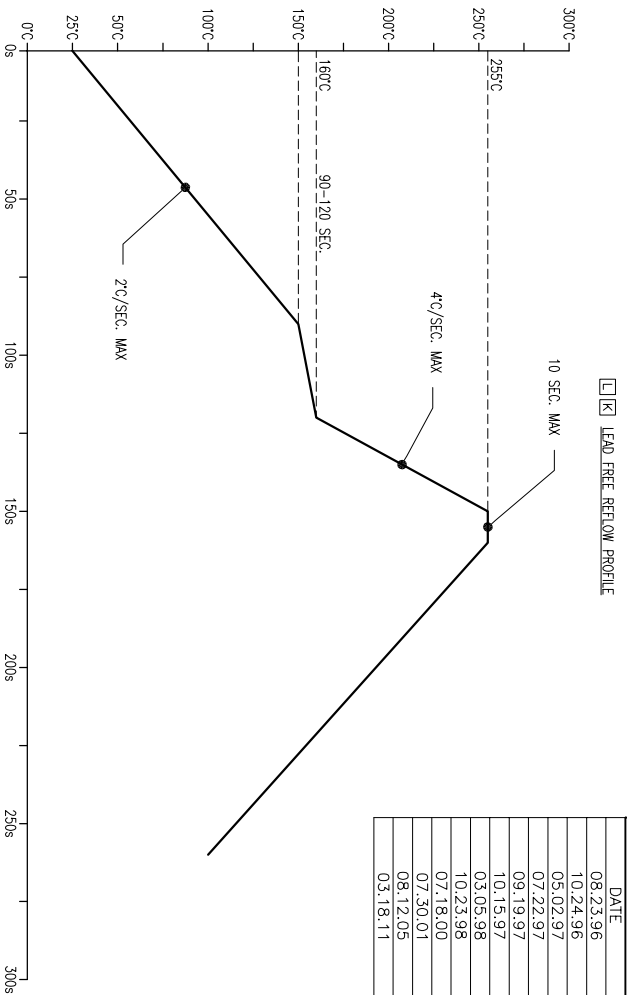
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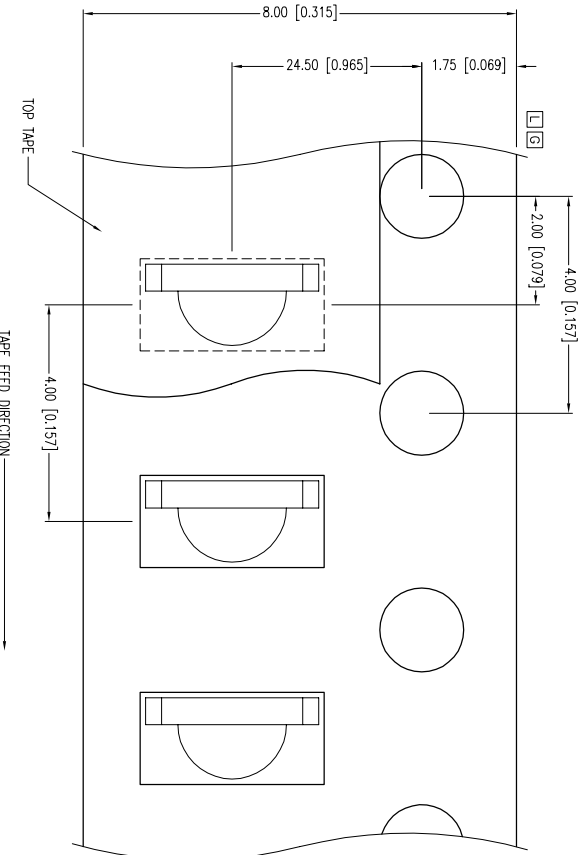
DATE:	03.18.11	DRAWN BY:	AB
PAGE:	1 OF 2	CHKD BY:	JD
SCALE:	NTS	APRVD BY:	JD
UNIT:	mm [INCH]		



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03.18.11	E.C.N. #10BRDR. & REDRAWN/ #11704.				L



- NOTES:
- 3,000 PIECES PER REEL.
 - THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.



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= -0.000 DECIMAL PRECISION MAX.= +0.000 DECIMAL PRECISION
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PAGE:	2 OF 2	CHKD BY:	JD
SCALE:	NTS	APRVD BY:	JD
UNIT:	mm [INCH]		



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