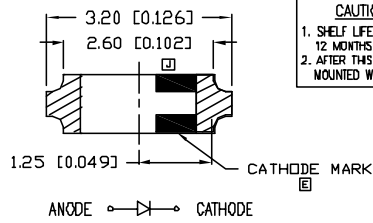
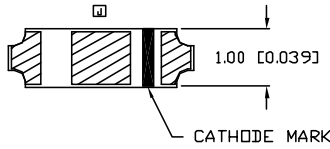
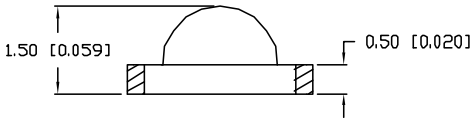
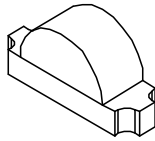


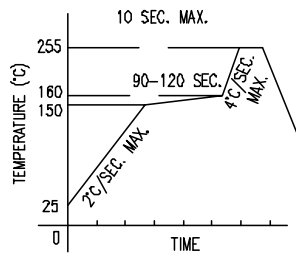
UNCONTROLLED DOCUMENT



CAUTION: MOISTURE SENSITIVE DEVICE
 1. SHELF LIFE IN SEALED BAG:
 12 MONTHS AT <40°C AND <80% RELATIVE HUMIDITY (RH).
 2. AFTER THIS BAG IS OPENED, DEVICES HAVE TO BE
 MOUNTED WITHIN 48 HOURS OR STORED AT <30% RH.

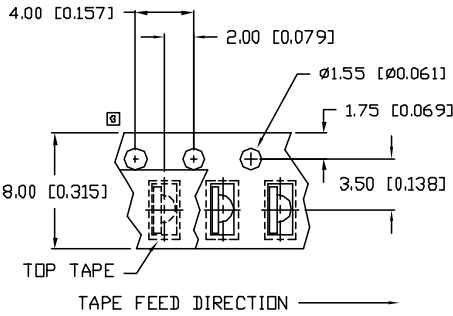
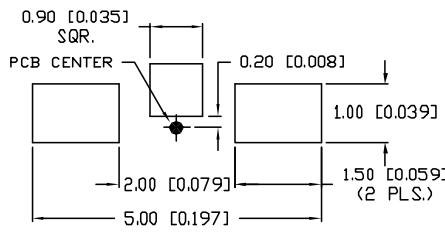


LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

RECOMMENDED SOLDER PAD LAYOUT



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (0.002), LEAD LENGTH=±0.75 (±0.030). MIN= ^{+0.00}/_{0.00} DECIMAL PRECISION, MAX.= ^{+0.00}/_{0.00} DECIMAL PRECISION

PART NUMBER		REV.
SML-LXR85YC-TR		K
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10230.	8.23.96
B	E.C.N. #10263.	10.24.96
C	E.C.N. #10338.	5.2.97
D	E.C.N. #10366.	7.22.97
E	E.C.N. #10380.	9.19.97
F	E.C.N. #10BRDR & REDRAWN.	10.15.97
G	E.C.N. #10419.	3.5.98
H	E.C.N. #10471.	10.23.98
I	E.C.N. #10644.	7.18.00
J	E.C.N. #10BRDR. & #10771.	7.30.01
K	E.C.N. #11248.	8.12.05

ELECTRO-OPTICAL CHARACTERISTICS T _A =25°C I _f =20mA					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585		nm	
FORWARD VOLTAGE		2.1	2.6	V _f	
REVERSE VOLTAGE	5.0			V _r	I _f =100µA
AXIAL INTENSITY		10		md	I _f =20mA
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_t < 10µs

NOTES:

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

UNCONTROLLED DOCUMENT

REV. K	PART NUMBER SML-LXR85YC-TR
0.5mm x 3.2mm PCB, RIGHT ANGLE SURFACE MOUNT LED, 585nm YELLOW, WATER CLEAR LENS, 3K PER REEL.	

CONFIDENTIAL INFORMATION
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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.



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DRAWN BY: CT	CHECKED BY:	APPROVED BY:	DATE: 4.24.96 PAGE: 1 OF 1 SCALE: N/A
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