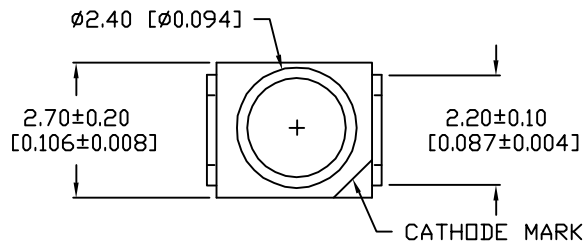
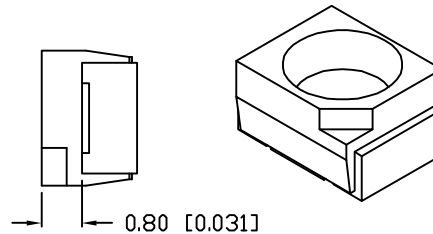


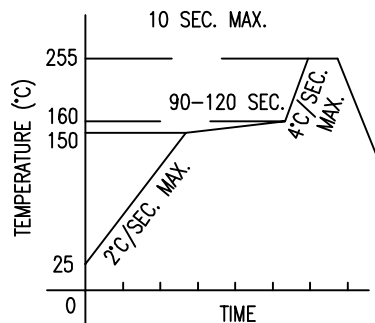
UNCONTROLLED DOCUMENT

ANODE  CATHODE

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

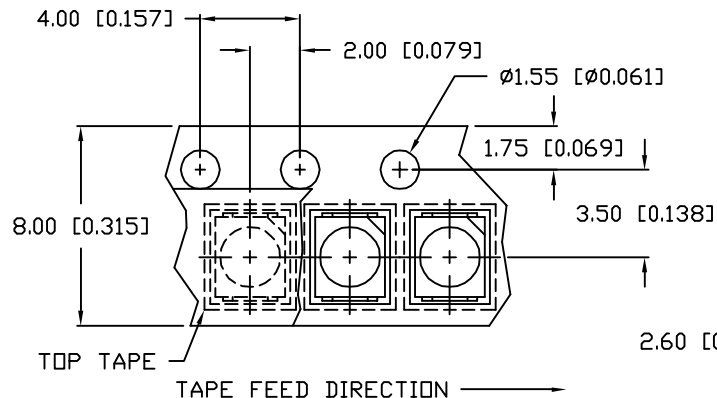
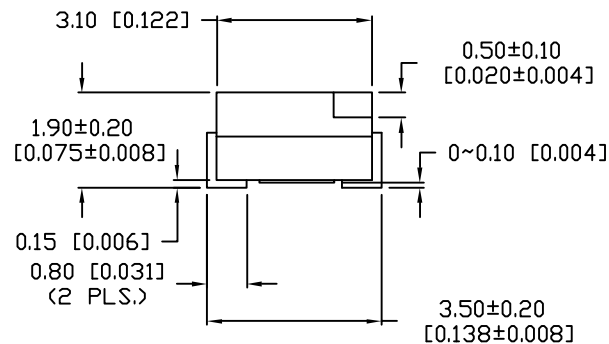
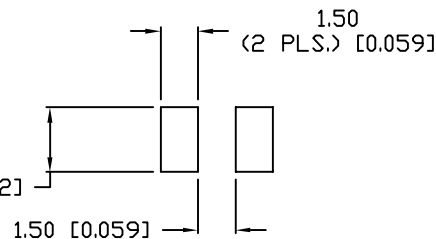
CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS

LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

RECOMMENDED SOLDER PAD LAYOUT



TAPE FEED DIRECTION →

*UNLESS OTHERWISE SPECIFIED TOLERANCES 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.=+DECIMAL PRECISION MAX.=+0.00 -0.00

PART NUMBER
SML-LX2832PWC-TR

REV.

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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			(WHITE)		nm	
FORWARD VOLTAGE	V_f	3.0		3.6	V	$I_f=20\text{mA}$
REVERSE VOLTAGE	V_r	5			V	$I_r=10\mu\text{A}$
AXIAL INTENSITY(*1)	I_v	900		1800	mcd	$I_f=20\text{mA}$
CHROMATICITY	X	0.30		0.33		
COORDINATES(*2)	Y	0.29		0.34		$I_f=20\text{mA}$
VIEWING ANGLE			120		2x theta	
EMITTED COLOR:			WHITE			
EPOXY LENS FINISH:			WATER CLEAR			

*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.
*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT	I_p	100*	mA
STEADY CURRENT	I_F	30	mA
POWER DISSIPATION	P_D	120	mW
OPERATING TEMP.	T_{OPR}	-40 TO +85	°C
STORAGE TEMP.	T_{STG}	-40 TO +90	°C

*DUTY 1/10 PULSE WIDTH 10ms

NOTES:

1. THE POLARITY MARK IS ORIENTED
TOWARDS THE TAPE SPROCKET HOLE.



UNCONTROLLED DOCUMENT

REV.

PART NUMBER

SML-LX2832PWC-TR

2.8mm x 3.2mm SURFACE MOUNT LED WITH REFLECTOR ,
ULTRA WHITE LED, WATER CLEAR LENS,
1,500 PIECES PER TAPE AND REEL, X,Y SORTED.

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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DATE: 06.03.09

PAGE: 1 OF 2

SCALE: N/A