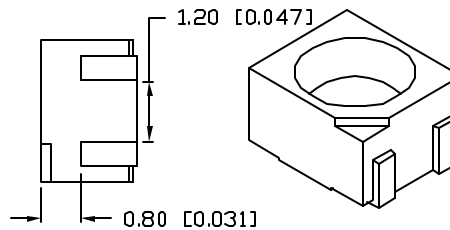
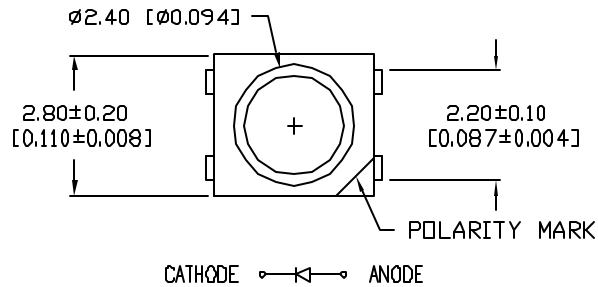
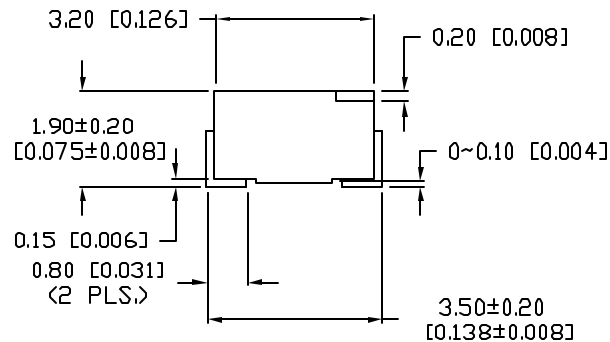


SML-LX2832UEGCZTR

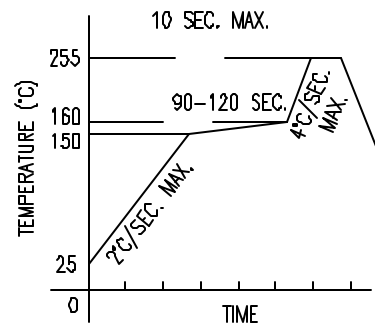
PRELIMINARY IN P/N DIR



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

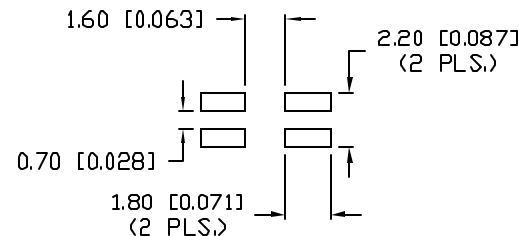
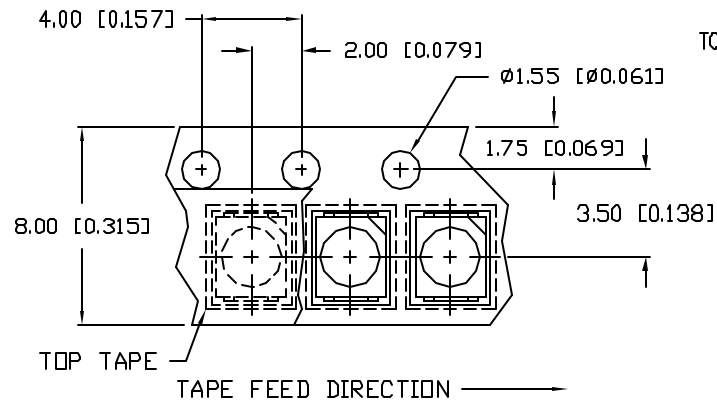


LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

RECOMMENDED SOLDER PAD LAYOUT

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		510		nm	
FORWARD VOLTAGE		3.2	3.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r = 10\mu\text{A}$
AXIAL INTENSITY		1000		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	114	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

10% DUTY @ 1kHz

NOTES:

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

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS



UNCONTROLLED DOCUMENT

*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. = $\frac{+0.00}{-0.00}$ DECIMAL PRECISION, MAX. = $\frac{+0.00}{-0.00}$ DECIMAL PRECISION

REV.

PART NUMBER

SML-LX2832UEGCZTR

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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.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

2.8mm x 3.2mm SURFACE MOUNT LED WITH REFLECTOR,
510nm ULTRA EMERALD GREEN LED, WATER CLEAR LENS,
1,500 PER TAPE AND REEL.

DRAWN BY:

JN

CHECKED BY:

APPROVED BY:

DATE: 05.23.08

PAGE: 1 OF 1

SCALE: N/A