

UNCONTROLLED DOCUMENT

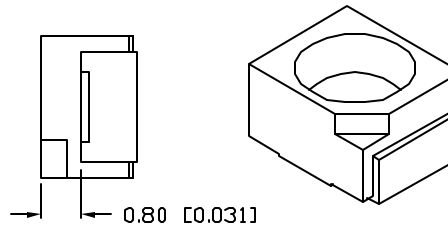
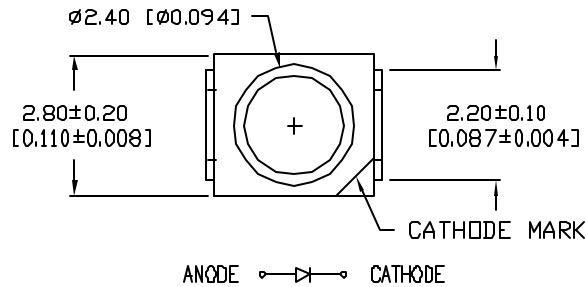
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PART NUMBER

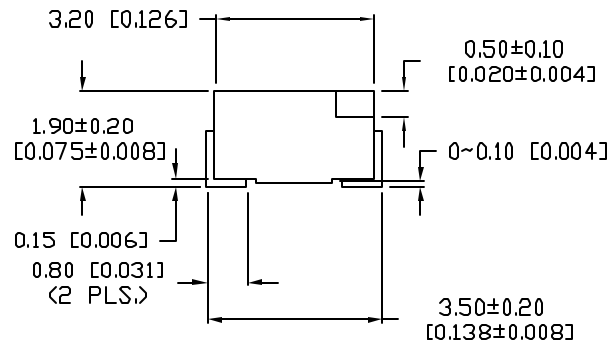
REV.

SML-LX2832VC-TR

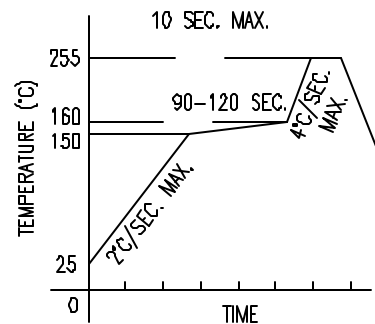
PRELIMINARY IN P/N DIR



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

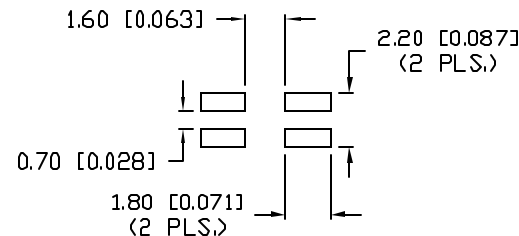
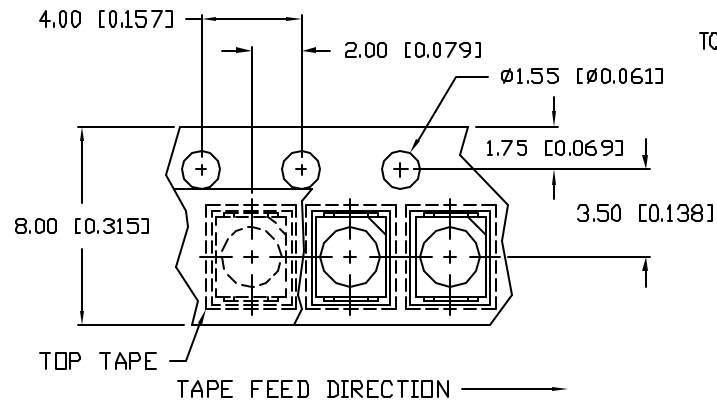


LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

RECOMMENDED SOLDER PAD LAYOUT

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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH					nm	
FORWARD VOLTAGE	V_f		3.2	4.0	V	$I_f = 20\text{mA}$
REVERSE VOLTAGE	V_r	5			V	$I_r = 10\mu\text{A}$
AXIAL INTENSITY	I_v	110	160		Mcd	$I_f = 20\text{mA}$
CHROMATICITY	X		0.22			
COORDINATES(*)	Y		0.10			$I_f = 20\text{mA}$
VIEWING ANGLE			120		2x theta	

EMITTED COLOR: PURPLE

EPOXY LENS FINISH: WATER CLEAR

* 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 +85	°C
SOLDERING TEMP.		+260	°C

2.0mm FROM BODY

3 SEC. MAX

*DUTY 1/10 PULSE WIDTH 10ms

NOTES:

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

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS



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*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.=^{+DECIMAL PRECISION}-0.00 MAX.=^{+0.00}-DECIMAL PRECISION

REV.

PART NUMBER

SML-LX2832VC-TR

2.8mm x 3.2mm SURFACE MOUNT LED WITH REFLECTOR,
PURPLE LED, WATER CLEAR LENS,
2,000 PER TAPE AND 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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PAGE: 1 OF 1

SCALE: N/A