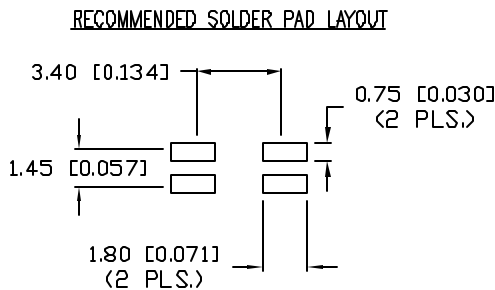
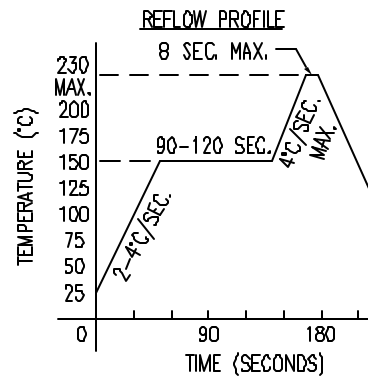
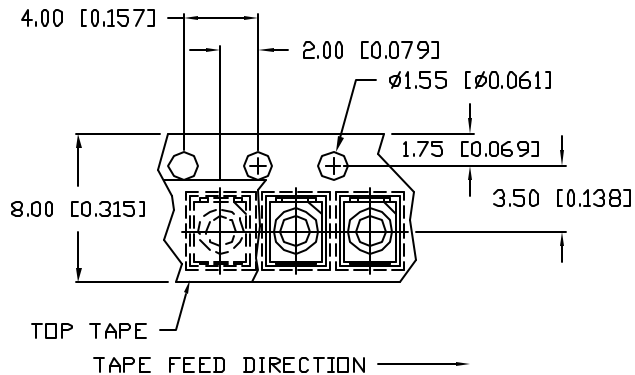
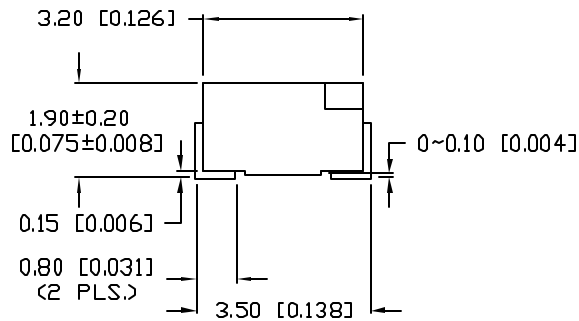
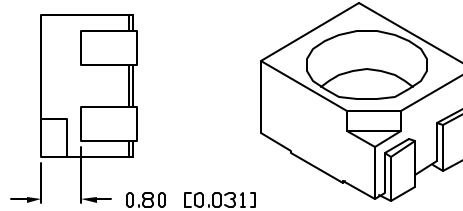
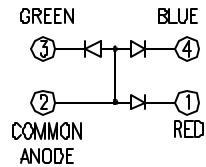
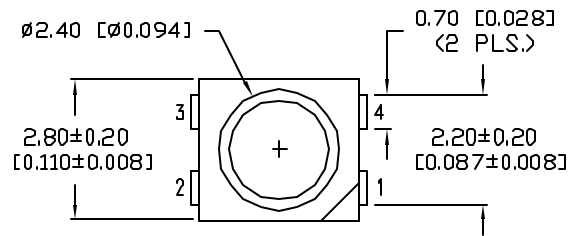


UNCONTROLLED DOCUMENT



SC:0.15

PART NUMBER

SML-LX2832SIUPUBTR

REV.

PRELIMINARY IN P/N DIR

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

PARAMETER	RED	GREEN	BLUE	UNITS	TEST COND
PEAK WAVELENGTH	636	525	470	nm	
FORWARD VOLTAGE (TYP.)	2.0	3.5	3.5	V_f	
FORWARD VOLTAGE (MAX.)	2.6	4.0	4.0	V_f	
REVERSE VOLTAGE	5.0	5.0	5.0	V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY	200	100	60	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	120	120	120	2x theta	
LED POSITION:	1	3	4		
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(R/G/B)	160/100/100	mA
STEADY CURRENT	(R/G/B)	30/25/30	mA
POWER DISSIPATION	(R/G/B)	120	mW
DERATE FROM 25°C	(R/G/B)	-1.2/-1.2/-2.0	mW/°C
OPERATING TEMP.		-25 TO +85	°C
STORAGE TEMP.		-30 TO +85	°C

* $t < 10\mu\text{s}$

NOTES:

- 1,500 PIECES PER REEL.
- THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

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

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

UNCONTROLLED DOCUMENT

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X=\pm 1$ (± 0.039), $XX=\pm 0.5$ (± 0.020), $XXX=\pm 0.25$ (± 0.010), $XXXX=\pm 0.127$ (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030), $W/N=$ +DECIMAL PRECISION -0.00 MAX.= +0.00 -DECIMAL PRECISION

REV.

PART NUMBER

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2.8mm x 3.2mm SURFACE MOUNT WITH REFLECTOR CUP, AlInGaP RED, ULTRA PURE GREEN, ULTRA SUPER BLUE, WATER CLEAR LENS, 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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SCALE: N/A