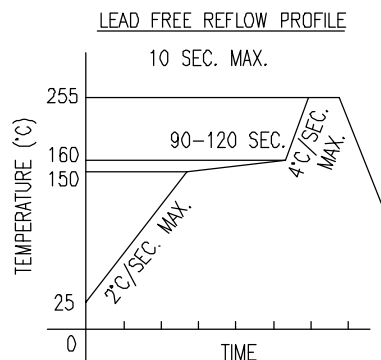
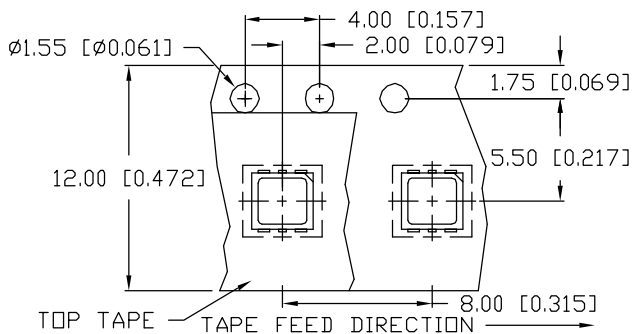
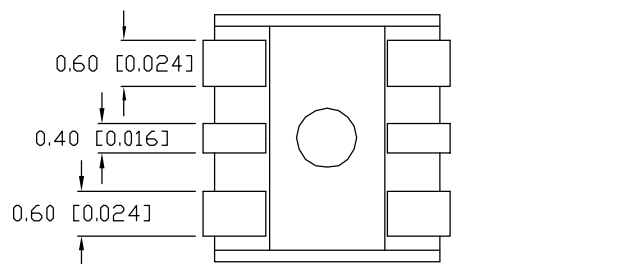
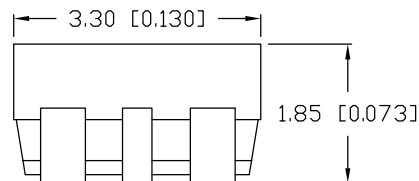
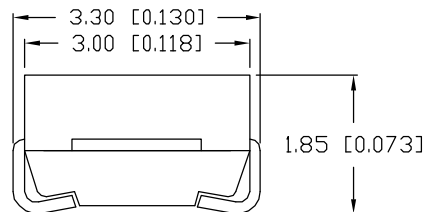
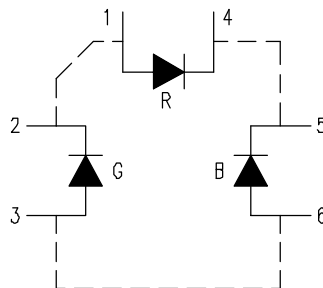
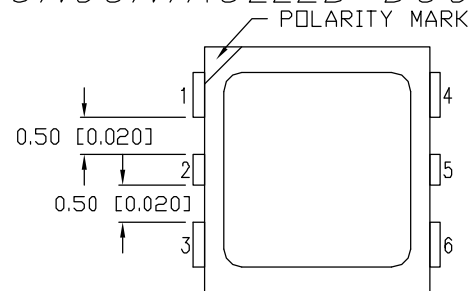


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TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

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

SC:0.10

PART NUMBER

REV.

SML-LX3333SIUPGUSB

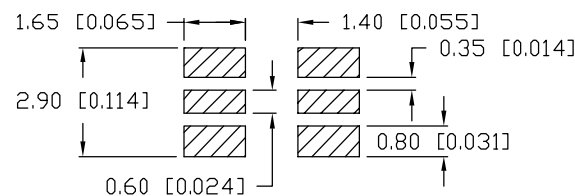
PRELIMINARY IN P/N DIR

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$					$I_f=20\text{mA}$
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		632 (RED)		nm	
		518 (GREEN)		nm	
		468 (BLUE)		nm	
FORWARD VOLTAGE (R)	1.7		2.4	V_f	$I_f=20\text{mA}$
	(G)	2.7	3.7	V_f	$I_f=20\text{mA}$
	(B)	2.7	3.7	V_f	$I_f=20\text{mA}$
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (R)	285		565	mcd	$I_f=20\text{mA}$
	(G)	715	1420	mcd	$I_f=20\text{mA}$
	(B)	180	360	mcd	$I_f=20\text{mA}$
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:	RED/GREEN/BLUE				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C			
PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(R/G/B)	100/250/200	mA
STEADY CURRENT	(R/G/B)	70/30/30	mA
POWER DISSIPATION	(R/G/B)	195/150/150	mW
OPERATING TEMP.		-40 TO +100	°C
STORAGE TEMP.		-40 TO +100	°C

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

PAD LAYOUT



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*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 -0.00 MAX= +0.00 -DECIMAL PRECISION

REV.

PART NUMBER

SML-LX3333SIUPGUSB

3.3x3.3 mm SURFACE MOUNT LED, TRI COLOR,
SUPER HIGH INTENSITY 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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DRAWN BY: JN CHECKED BY: APPROVED BY: DATE: 04.14.09
PAGE: 1 OF 1
SCALE: N/A