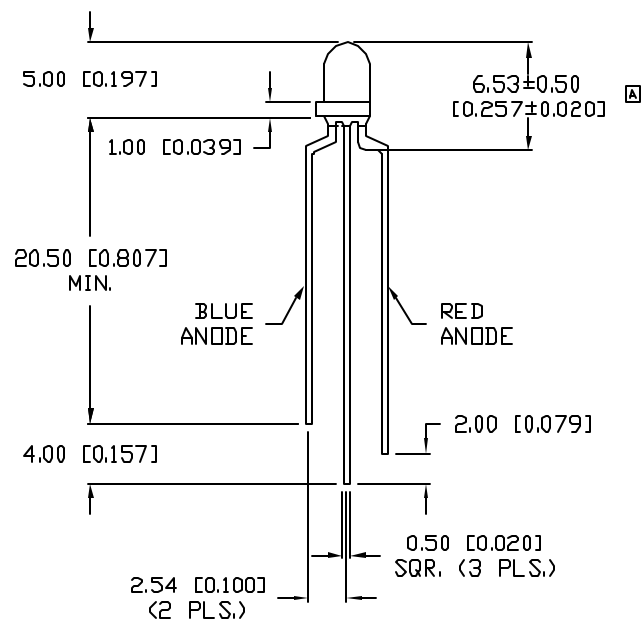
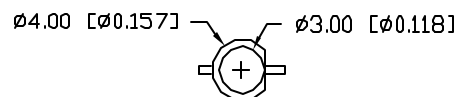


UNCONTROLLED DOCUMENT

PART NUMBER
SSL-LX3059IUSB/AWREV.
AREV. E.C.N. NUMBER AND REVISION COMMENTS
A E.C.N. #11412.DATE
4.30.07ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
		470 (BLUE)		nm	
FORWARD VOLTAGE (R/B)		2.0/3.5	2.5/4.0	V_f	
REVERSE VOLTAGE (R/B)	4.0/5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY (R/B)		30/140		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:		RED/BLUE			
EPOXY LENS FINISH:		MILKY WHITE			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(R/B)	160/100	mA
STEADY CURRENT		30	mA
POWER DISSIPATION	(R/B)	75/120	mW
DERATE FROM 25°C		-1.6	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY			3 SEC. MAX

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

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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.=+0.00/-0.00, MAX.=+0.00/-0.00

REV.
APART NUMBER
SSL-LX3059IUSB/AWT-3mm TRI-LEADED LED, BICOLOR RED/BLUE,
COMMON CATHODE, MILKY WHITE DIFFUSED LENS.

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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