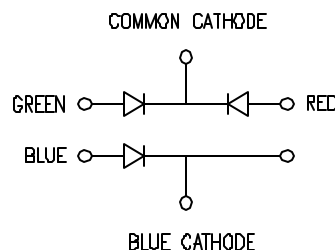
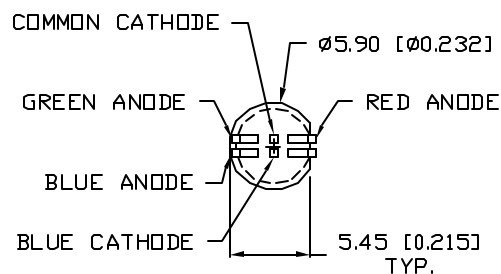
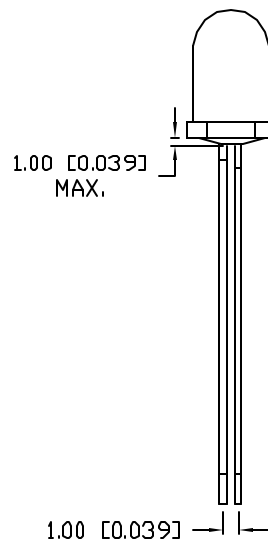
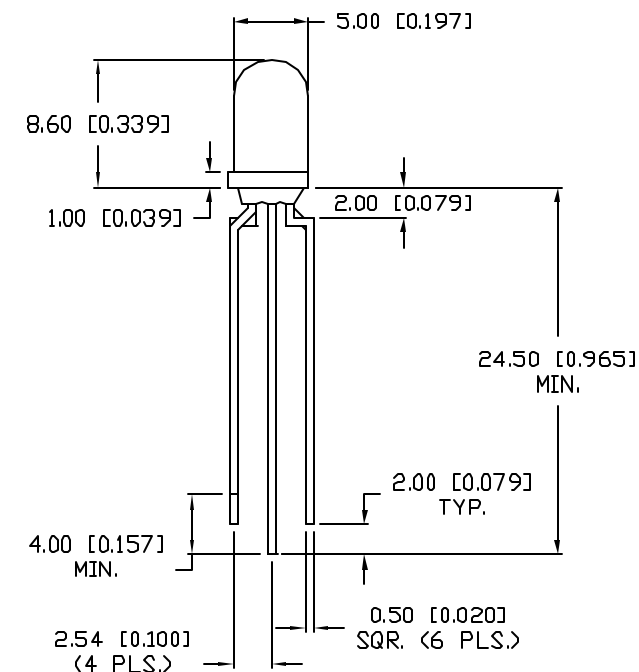


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PART NUMBER		REV.
SSL-LX5099SISPGSBC		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11148	11.08.06

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636 (RED)		nm	
		562 (GREEN)		nm	
		430 (BLUE)		nm	
FORWARD VOLTAGE (R)		1.7	2.4	V_f	
	(G)	2.2	2.6	V_f	
	(B)	4.0	4.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (R/G/B)	800/400/45			mcd	$I_f=20\text{mA}$
VIEWING ANGLE	30			2x theta	
EMITTED COLOR: RED/GREEN/BLUE					
EPOXY LENS FINISH: WATER CLEAR					

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(R/G/B)	185/205/150	mA
STEADY CURRENT		30	mA
POWER DISSIPATION (R/G/B)		170/105/105	mW
DERATE FROM 25°C		-1.2	$\text{mW}/^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY			3 SEC. MAX

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

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

REV.

A

PART NUMBER

SSL-LX5099SISPGSBC

T-5mm TRI CHIP LED, RED/GREEN/BLUE CHIPS,
SIX LEADS, WATER CLEAR LENS.

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

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