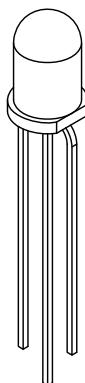
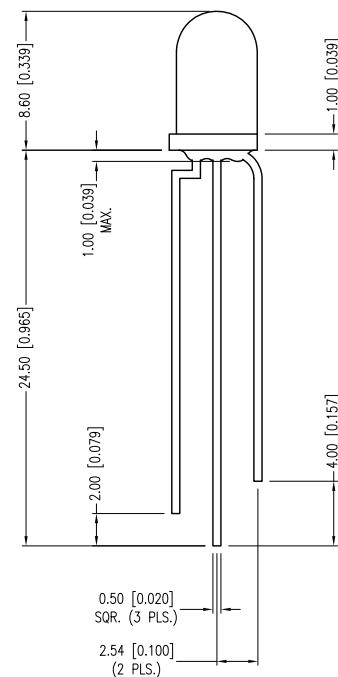
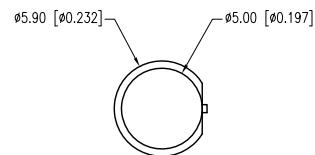


PART NUMBER	SSL-LX5099SISUGW	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	
12.06.12	E.C.N. #10BRDR. & REDRAWN.		A

A



ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^\circ\text{C}$ $if=20\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH (R/G)	636/574			nm	
FORWARD VOLTAGE (R/G)	2.0/2.1		2.5	Vf	
REVERSE VOLTAGE	5.0			Vr	$Ir=100\mu\text{A}$
AXIAL INTENSITY (R/G)	700/200			mcd	$if=20\text{mA}$
VIEWING ANGLE	60			2x theta	
EMITTED COLOR:	RED/GREEN				
LENS FINISH:	MILKY WHITE DIFFUSED				

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

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

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

UNCONTROLLED DOCUMENT



425 N. GARY AVE.
CAROL STREAM, IL 60188-4900
PHONE: +1.800.278.5666
FAX: +1.630.315.2152
WEB: WWW.LUMEX.COM
MEMBER OF ITW PHOTONICS GROUP

T-5 3 LEADED BICOLOR LED, 636nm AlInGaP RED, 574nm AlInGaP GREEN, MILKY WHITE DIFFUSED LENS.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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