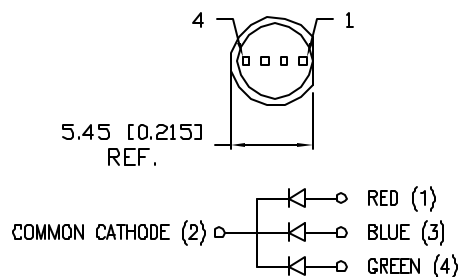
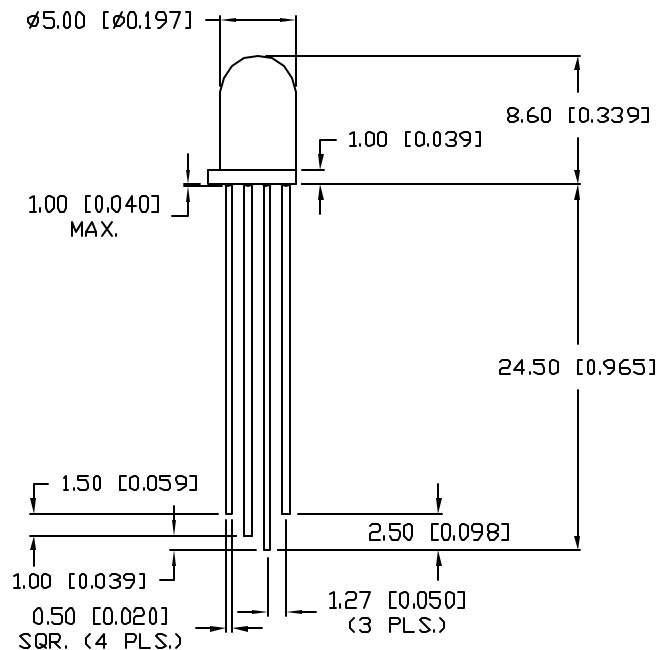


UNCONTROLLED DOCUMENT

PART NUMBER
SSL-LX5097SIUBUPGCREV.
C

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11230.	3.17.05
B	E.C.N. #11280.	11.2.05
C	E.C.N. #11148	11.02.06

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	
		470 (BLUE)		nm	
		525 (GREEN)		nm	
FORWARD VOLTAGE (R)		2.0	2.5	V _f	
(B)		3.5	4.0	V _f	
(G)		3.5	4.0	V _f	
REVERSE VOLTAGE	5.0			V _r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (R/B/G)		800/700/800		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		50		2x theta	
EMITTED COLOR:		RED/BLUE/GREEN			
EPOXY LENS FINISH:		WATER CLEAR			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(R/B/G)	185/150/130	mA
STEADY CURRENT	(R/B/G)	30/30/25	mA
POWER DISSIPATION	(R/B/G)	170/102/105	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°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 DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION

REV.
CPART NUMBER
SSL-LX5097SIUBUPGCT-5mm (T-1 3/4) RED/GREEN/BLUE (RGB) LED,
COMMON CATHODE, 0.05" LEAD SPACING,
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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DRAWN BY: JC	CHECKED BY:	APPROVED BY:	DATE: 11.02.06 PAGE: 1 OF 1 SCALE: /A
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