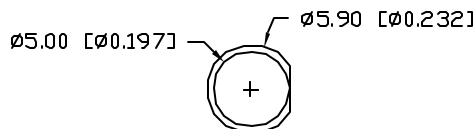
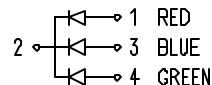
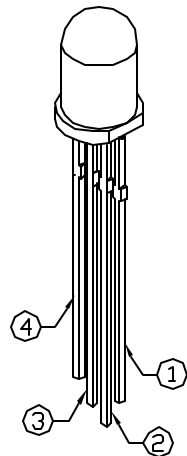
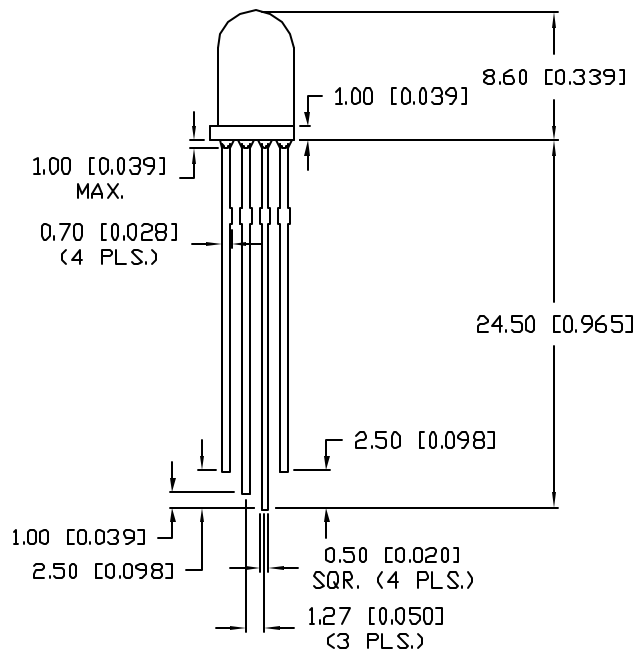


UNCONTROLLED DOCUMENT



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



PART NUMBER		REV.
SSL-LX5097ISBSGC		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11148	11.03.06

ELECTRO-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	
		430 (BLUE)		nm	
		565 (GREEN)		nm	
FORWARD VOLTAGE (R)		2.0	2.5	V_f	
	(B)	3.8	4.5	V_f	
	(G)	2.2	2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (R/B/G)		70/60/70		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		50		2x theta	
EMITTED COLOR: RED/BLUE/GREEN					
EPOXY LENS FINISH: WATER CLEAR LENS					

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(R/B/G)	160/150/140	mA
STEADY CURRENT	(R/B/G)	30/30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY			5 SEC. MAX

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

*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 MAX.=+0.00 -DECIMAL PRECISION

REV.

A

PART NUMBER

SSL-LX5097ISBSGC

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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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DATE: 11.03.06

PAGE: 1 OF 1

SCALE: N/A

5mm RGB LED, 4 LEADS, WATER CLEAR LENS.