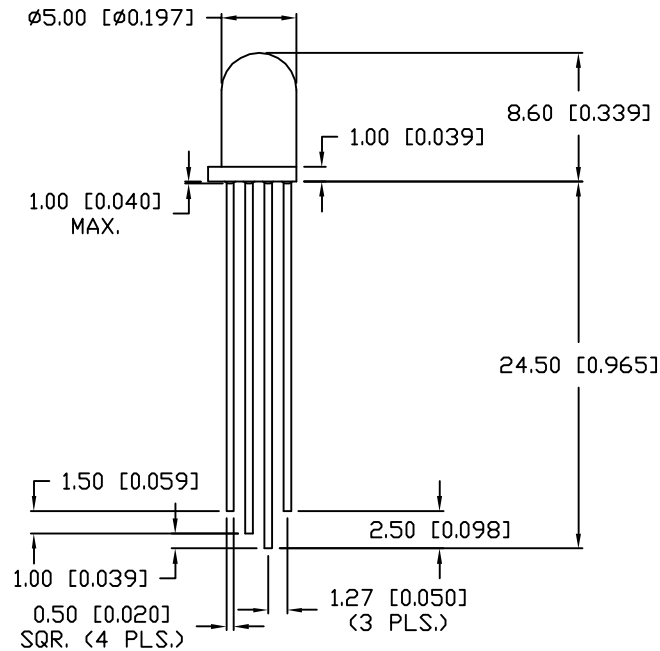
ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		610 (ORANGE)		nm	
		525 (GREEN)		nm	
		470 (BLUE)		nm	
FORWARD VOLTAGE	(O)	2.1	2.5	V_f	
	(G)	3.2	4.0	V_f	
	(B)	3.2	4.0	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (O/G/B)		25/8/800		mcad	$I_f=20\text{mA}$
VIEWING ANGLE		50		2x theta	
EMITTED COLOR:		ORANGE/GREEN/BLUE			
EPOXY LENS FINISH:		WATER CLEAR LENS			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(R/B/G)	195/100/150	mA
STEADY CURRENT		30	mA
POWER DISSIPATION	(R/B/G)	75/120/120	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

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

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



*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.

PART NUMBER

SSL-LX5097SOUPUBCA

T-5mm (T-1 3/4) ORANGE/GREEN/BLUE LED,
COMMON ANODE, 0.05" LEAD SPACING,
WATER CLEAR 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.

LUMEX
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DATE: 6.29.09

PAGE: 1 OF 1

SCALE: N/A