

Excellent Integrated System Limited

Stocking Distributor

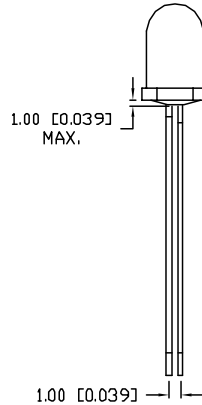
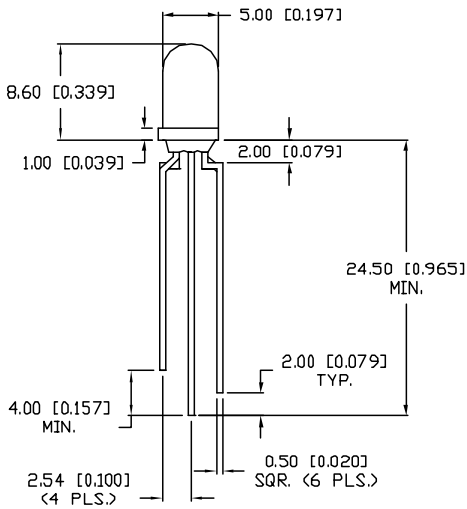
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Lumex, Inc.](#)
[SSL-LX5099SIUBSUGB](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SSL-LX5099SIUBSUGB		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11148	11.08.06



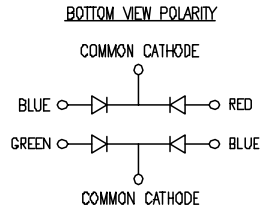
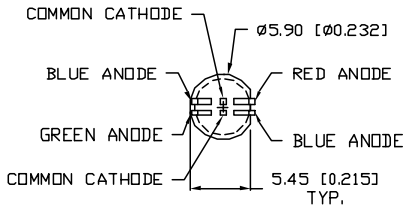
ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636 (RED)		nm	
		574 (GREEN)		nm	
		470 (BLUE)		nm	
FORWARD VOLTAGE (R)		1.9	2.5	V_f	
	(G)	2.1	2.5	V_f	
	(B)	3.65	4.2	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (R/G/B)		600/450/150		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		30		$2x$ theta	
EMITTED COLOR:	RED/GREEN/BLUE (MULTI-COLOR)				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(R/G/B)	185/205/160	mA
STEADY CURRENT		30	mA
POWER DISSIPATION	(R/G/B)	170/105/102	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY			J 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.=+DECIMAL PRECISION -0.00, MAX.=+0.00 -DECIMAL PRECISION

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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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T-5mm (T-1 3/4) LED, 6 LEADED, MULTI-COLORED,
 636nm AlInGaP RED/574nm AlInGaP GREEN BICOLOR,
 470nm ULTRA SUPER BLUE, WATER CLEAR LENS.

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 11.08.06
JC			PAGE: 1 OF 1
			SCALE: N/A