

UNCONTROLLED DOCUMENT

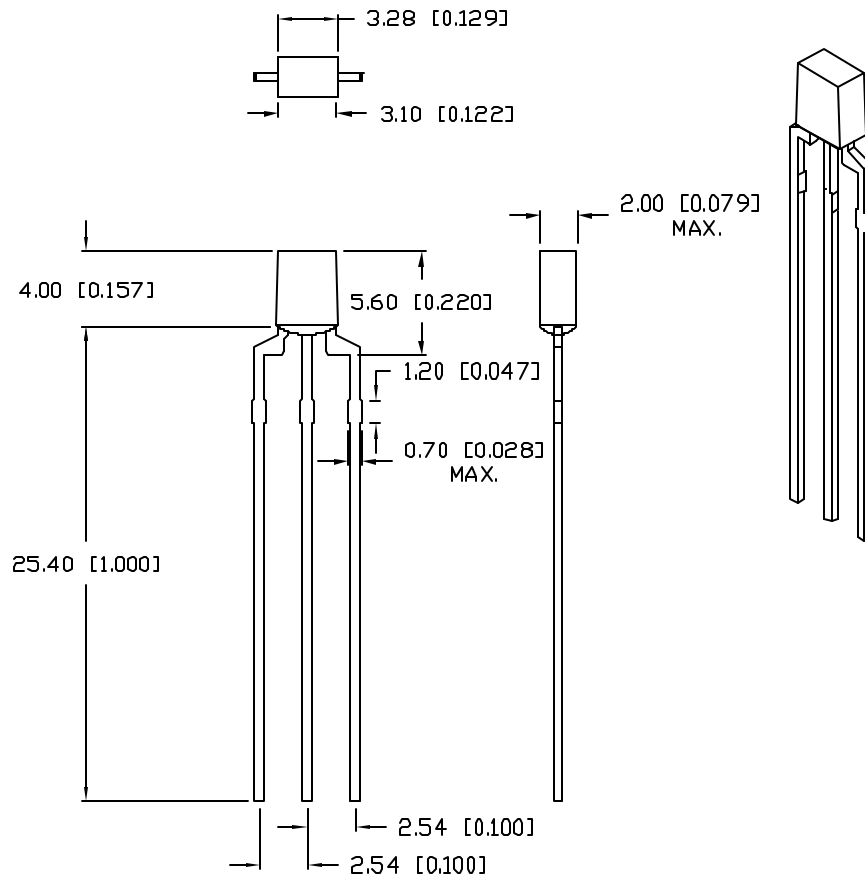
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PART NUMBER

REV.

SSL-LX2349AGW-CA

PRELIMINARY IN P/N DIR

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565 (GREEN)		nm	
		605 (AMBER)		nm	
FORWARD VOLTAGE (G/A)		2.2/2.1	2.8/2.5	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =100 μ A
AXIAL INTENSITY (G/A)		30		mcd	I _f =20mA
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:		GREEN/AMBER			
EPOXY LENS FINISH:		MILKY WHITE DIFFUSED			

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(G/A)	150	mA
STEADY CURRENT	(G/A)	30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C	(G/A)	-1.6	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY			3 SEC. MAX

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

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX= +0.00 -DECIMAL PRECISION

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2.00mm x 3.28mm RECTANGULAR, GREEN/AMBER LED.

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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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SCALE: N/A



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