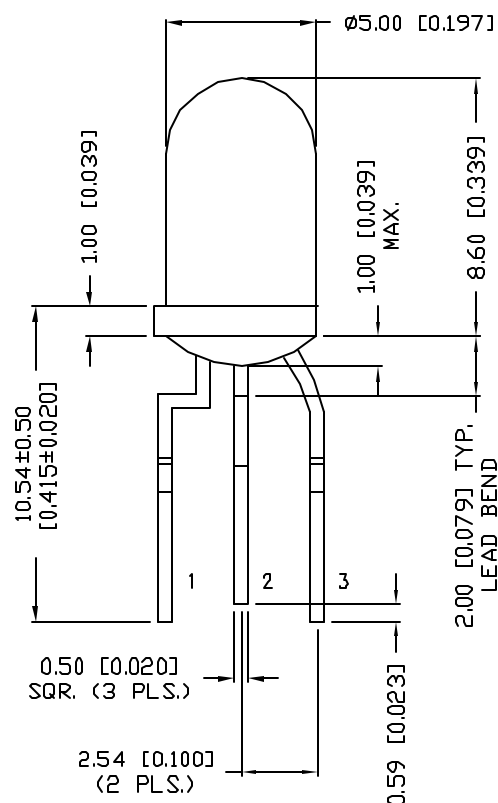
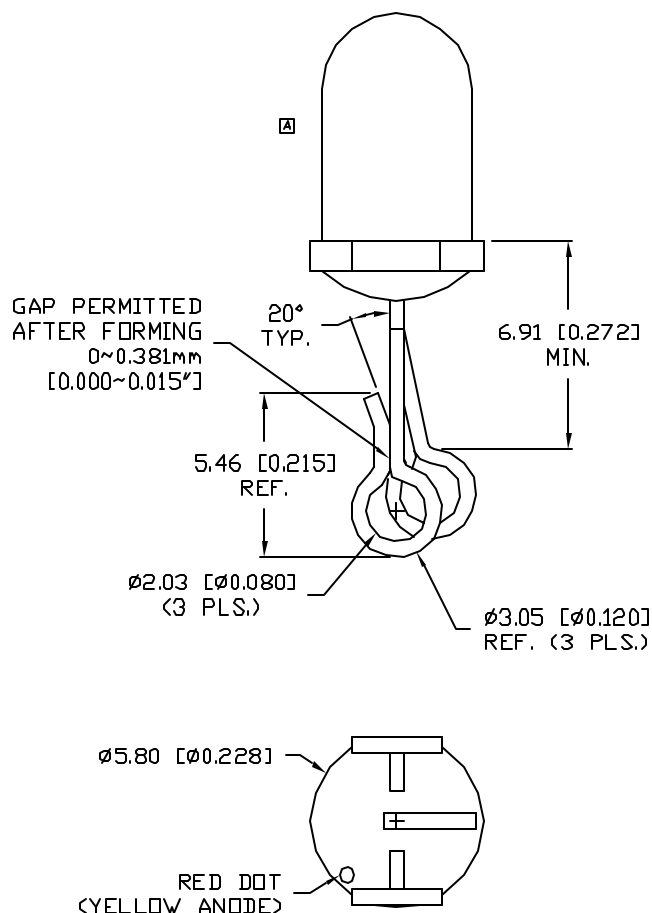


UNCONTROLLED DOCUMENT



1. YELLOW ANODE
2. COMMON CATHODE
3. GREEN ANODE

PART NUMBER
SSL-LX5099-3202REV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10592.	2-14-00
B	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		590 (YELLOW)		nm	
		565 (GREEN)		nm	
FORWARD VOLTAGE (Y/G)		2.0/2.2	2.5/2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (Y/G)		150/60		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		80		2x theta	
EMITTED COLOR:		YELLOW/GREEN			
EPOXY LENS FINISH:		MILKY WHITE DIFFUSED			

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(Y/G)	30/25	mA
POWER DISSIPATION		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

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

NOTES:

1. LEADS TO BE SOLDER PLATED AFTER FORMING.
2. $\phi 2.03$ [0.080] DIMENSION TO BE FREE FROM SOLDER. (3 PLS.)
3. SSL-LX5099SYSGW, LED.



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), 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 -0.00, MAX.= +0.00 -DECIMAL PRECISION

REV.
BPART NUMBER
SSL-LX5099-3202

T-5mm (T-1 3/4) LED SPECIAL FORMED 3 LEADED
 BICOLOR, 590nm SUPER YELLOW/565nm SUPER GREEN,
 MILKY WHITE DIFFUSED LENS, COMMON CATHODE.

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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			PAGE: 1 OF 1
			SCALE: N/A