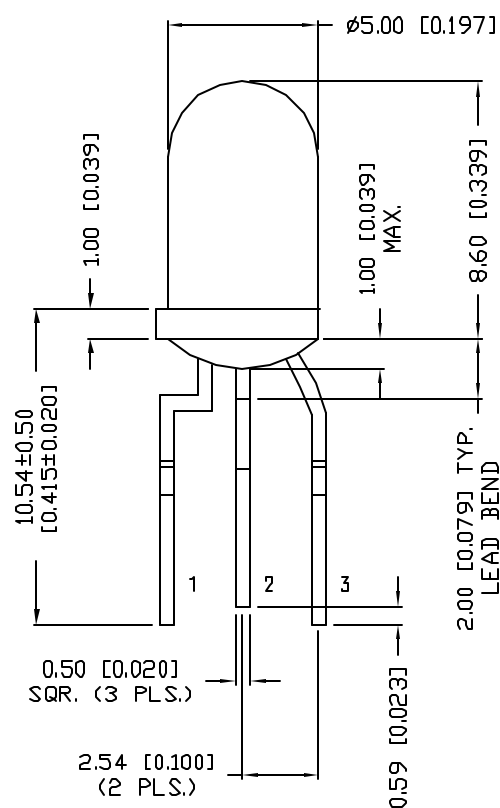
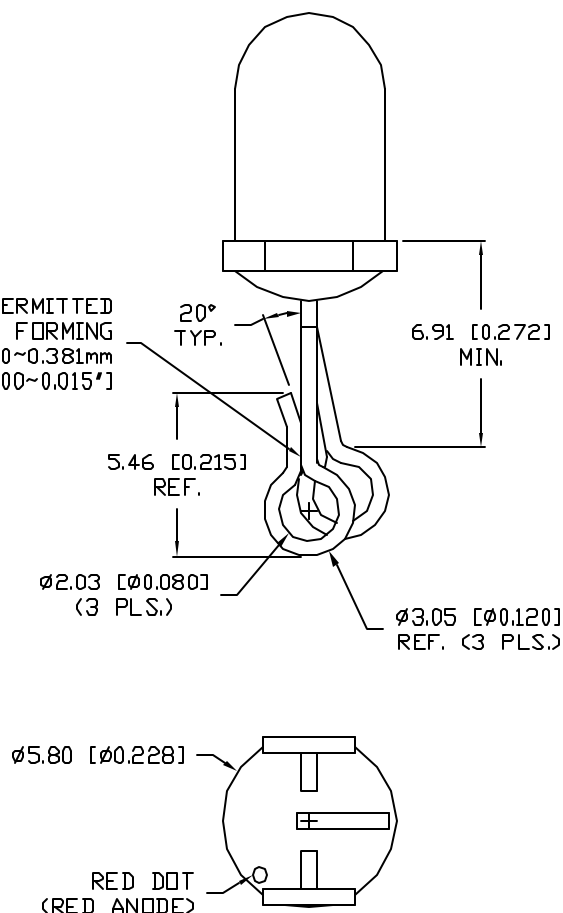


UNCONTROLLED DOCUMENT



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

GAP PERMITTED
 AFTER FORMING
 $0 \sim 0.381\text{mm}$
 $[0.000 \sim 0.015"]$



NOTES:

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

*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

PART NUMBER
 SSL-LX5099-320X

REV.
 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		660 (RED)		nm	
		565 (GREEN)		nm	
FORWARD VOLTAGE (R/G)		1.7/2.2	2.3/2.6	V_f	
REVERSE VOLTAGE (R/G)	4.0/5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (R/G)		200/60		md	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED/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	(R/G)	30/25	mA
POWER DISSIPATION	(R/G)	100/105	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			3 SEC. MAX

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

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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.



290 E. HELEN ROAD
 PALATINE, IL 60067-6976
 PHONE: +1.847.359.2790
 US WEB: www.lumex.com
 TW WEB: www.lumex.com.tw

T-5mm (T-1 3/4) LED, SPECIAL FORMED 3 LEADED.
 BICOLOR, 660nm SUPER RED/565nm SUPER GREEN,
 MILKY WHITE DIFFUSED LENS, COMMON CATHODE

DRAWN BY: JC
 CHECKED BY:
 APPROVED BY: DATE: 11.03.06
 PAGE: 1 OF 1
 SCALE: N/A