PART NUMBER	REV.
SSL−LX3059IGW−CA	C

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN.	1.9.98
B	E.C.N. #10700.	1.9.01
C	E.C.N. #11412.	5.1.07

Ø4.00 [Ø0.157] Ø3.00 [Ø0.118]

5.00 [0.197]

1.00 [0.039]

6.53±0.50
[0.257±0.020]

20.50 [0.807]
MIN.

GREEN
CATHODE

RED
CATHODE

2.00 [0.079]

4.00 [0.157]

0.50 [0.020]
SQR. (3 PLS.)

2.54 [0.100]
(2 PLS.)
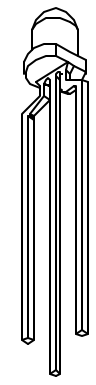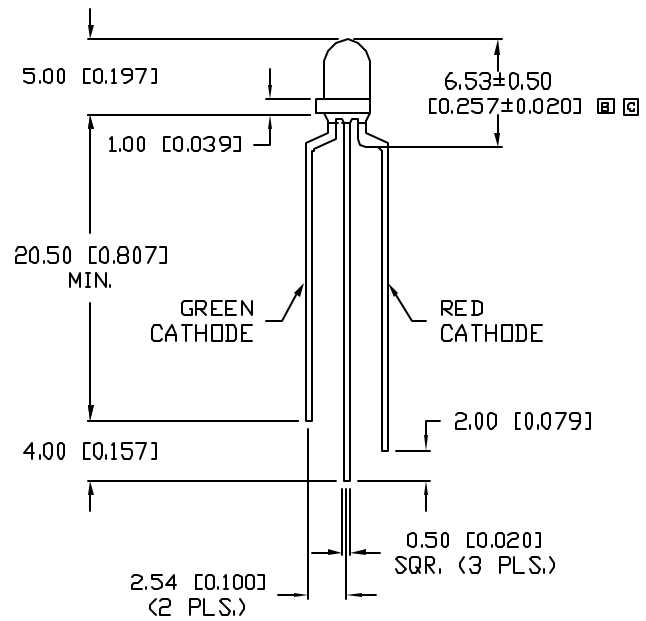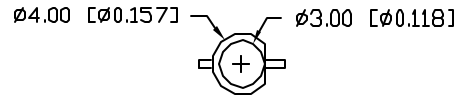
ELECTRO−OPTICAL CHARACTERISTICS T_A=25°C   I_f=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
		565 (GREEN)		nm	
FORWARD VOLTAGE (R/G)		2.0/2.2	2.5/2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	I_r=100µA
AXIAL INTENSITY (R/G)		30		mcd	If=20mA
VIEWING ANGLE		60			2x theta
EMITTED COLOR:	RED/GREEN				
EPOXY LENS FINISH:	MILKY WHITE				

LIMITS OF SAFE OPERATION AT 25°C

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

* t<10µS

*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

REV.	PART NUMBER	
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T3x5mm TRI−LEADED LED, BICOLOR RED/GREEN,
COMMON ANODE, MILKY WHITE DIFFUSED LENS.

LUMEX

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DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:	4.29.96
JC			PAGE:	1 OF 1
			SCALE:	N/A

Mouser Electronics

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