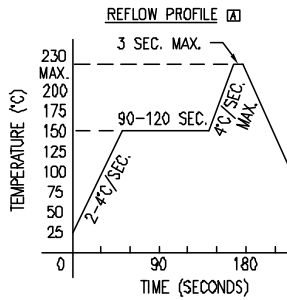
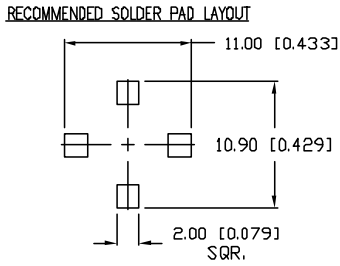
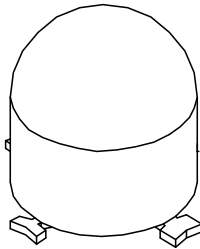
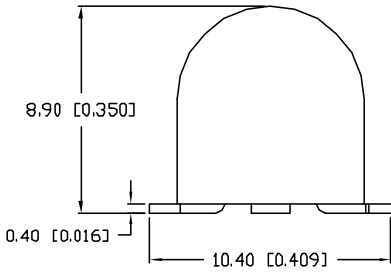
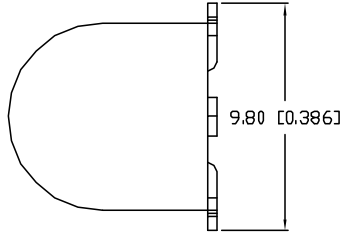
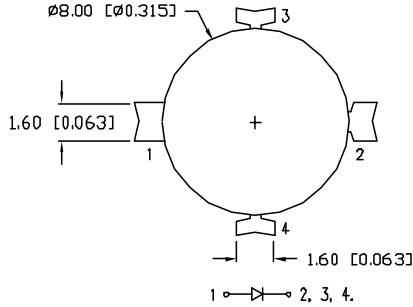


UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SML-LXL809SOC		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10966.	3.11.03



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		610		nm	
FORWARD VOLTAGE		2.0	2.5	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =100μA
AXIAL INTENSITY		1600		mcd	I _f =20mA
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	ORANGE				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C

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

*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= -0.000 DECIMAL PRECISION MAX.= +0.000 DECIMAL PRECISION

UNCONTROLLED DOCUMENT

REV.	PART NUMBER
A	SML-LXL809SOC
T-8mm SURFACE MOUNT DOMED LED, 4 LEADED, 610nm SUPER ORANGE CHIP, WATER CLEAR LENS.	

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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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BC			1.17.01
			PAGE: 1 OF 1
			SCALE: N/A