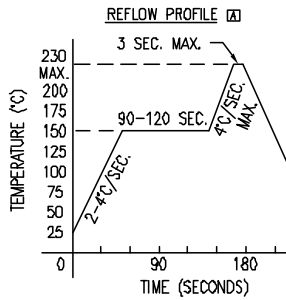
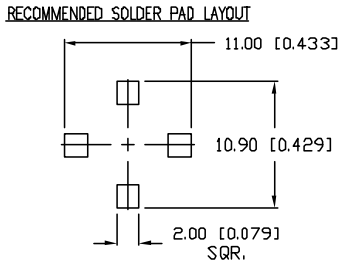
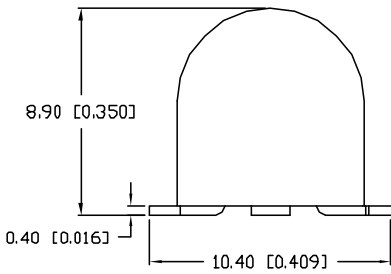
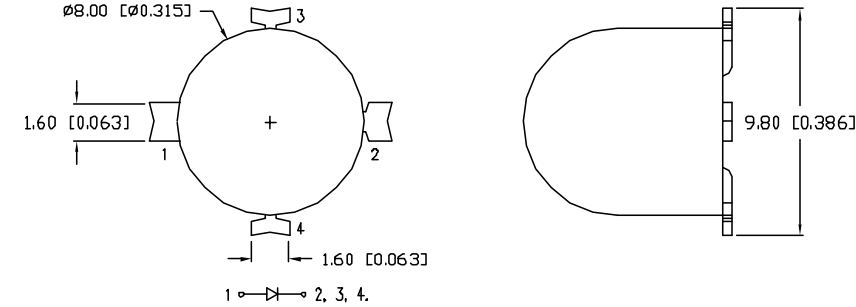


UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SML-LXL809UWC		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	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH					nm	
FORWARD VOLTAGE	$V_f$		3.5	4.0	V	$I_f=20\text{mA}$
REVERSE VOLTAGE	$V_r$	5.0			V	$I_r=10\mu\text{A}$
AXIAL INTENSITY(*1)	$I_v$		1700		mcd	$I_f=20\text{mA}$
VIEWING ANGLE			30		2x theta	
EMITTED COLOR:			WHITE			
EPOXY LENS FINISH:			WATER CLEAR			

\*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	80	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C

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

CAUTION: STATIC SENSITIVE DEVICE  
FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART.

UNCONTROLLED DOCUMENT

\*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=0.000, MAX.=+0.000 DECIMAL PRECISION

REV.	PART NUMBER
A	SML-LXL809UWC
T-8mm SURFACE MOUNT DOMED LED, 4 LEADED, ULTRA WHITE LED, WATER CLEAR LENS.	

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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			SCALE: N/A