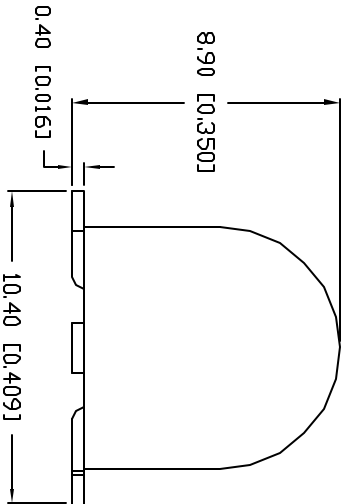
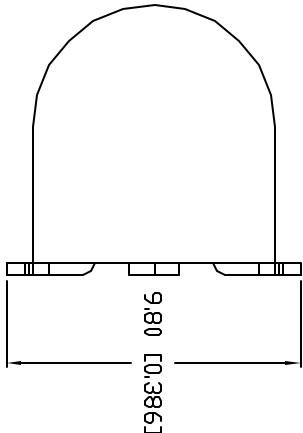
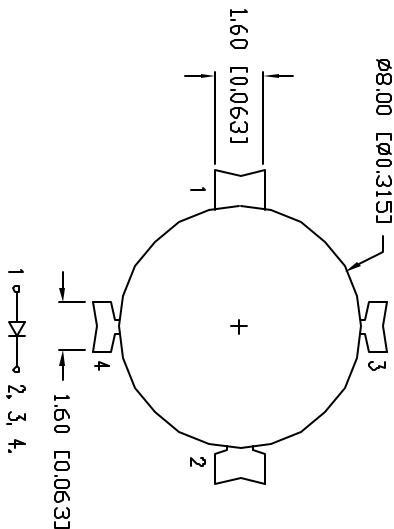
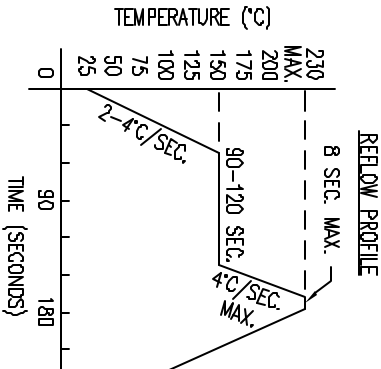
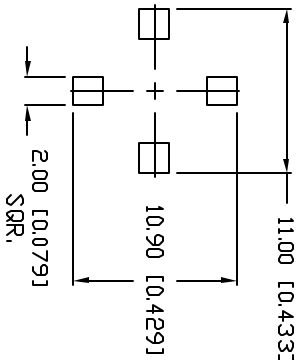


RECOMMENDED SOLDER PAD LAYOUT



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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			550		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		mcad	$I_f=20\text{mA}$
VIEWING ANGLE			30		2θ	

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/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

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

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

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (-30.039), XX=±0.5 (-30.020), XXX=±0.25 (-30.010), XXXX=±0.127 (-30.005).

PART NUMBER

SML-LXL809UWC

T-8mm SURFACE MOUNT DOMED LED, 4 LEADED,
550nm ULTRA WHITE LED, WATER CLEAR LENS.

CONFIDENTIAL INFORMATION

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REMARKS 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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