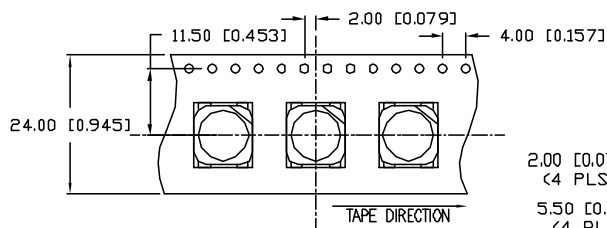
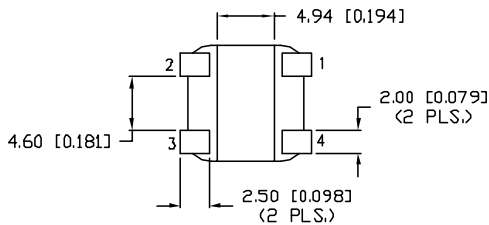
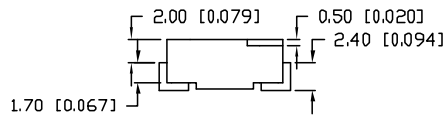
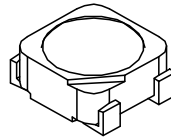
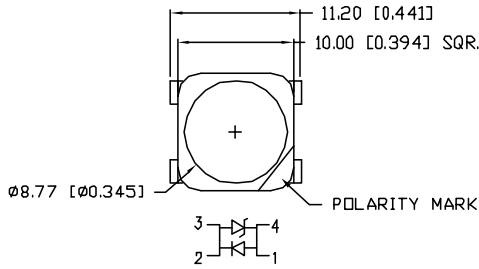


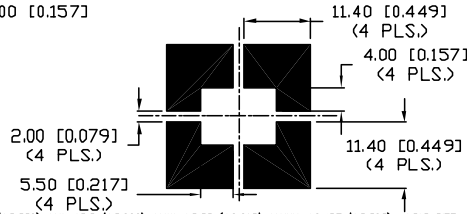
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PART NUMBER  
SML-LX1110UWC-ATR

REV.



RECOMMENDED SOLDER PAD LAYOUT



\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XY=±0.5 (±0.020), XX=±0.25 (±0.010), 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

ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $I_f=350\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	-	-	-	nm	
FORWARD VOLTAGE	-	3.5	4.0	V <sub>f</sub>	
REVERSE VOLTAGE	-	-	0	V <sub>r</sub>	
AXIAL INTENSITY	-	15000	-	mcad	$I_f=350\text{mA}$
LUMINOUS FLUX	-	22	-	lm	$I_f=350\text{mA}$
CHROMATICITY X:	-	.33	-		
COORDINATES Y:	-	.34	-		
VIEWING ANGLE	-	90	-	2x theta	
EMITTED COLOR:	WHITE				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	500	mA
STEADY CURRENT	350	mA
POWER DISSIPATION	1.2	W
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

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

CAUTION: MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 6 STANDARDS



NOTES:

1. ANODE TOWARDS TAPE HOLE.

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REV.	PART NUMBER SML-LX1110UWC-ATR
PLCC-4 SMT LED, HIGH POWER, ULTRA WHITE, WITH INTERNAL REFLECTIVE CAVITY.	

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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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DRAWN BY: JD	CHECKED BY:	APPROVED BY:	DATE: 7.11.05 PAGE: 1 OF 1 SCALE: N/A