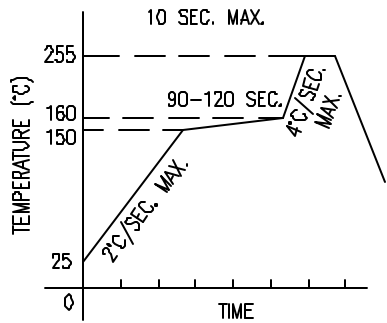


LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

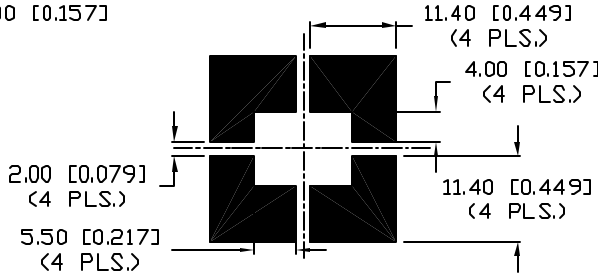
ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=350\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		-		nm	
FORWARD VOLTAGE		3.5	4.0	V_f	
REVERSE VOLTAGE			0	V_r	
AXIAL INTENSITY		15000		mcd	$I_f=350\text{mA}$
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

RECOMMENDED SOLDER PAD LAYOUT



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.

UNCONTROLLED DOCUMENT

*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.=^{+0.00}/_{-0.00} DECIMAL PRECISION, MAX.=^{+0.00}/_{-0.00} DECIMAL PRECISION

REV.	PART NUMBER
	SML-LX1110UWC-ATR

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PLCC-4 SMT LED, HIGH POWER, ULTRA WHITE,
WITH INTERNAL REFLECTIVE CAVITY.

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.

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