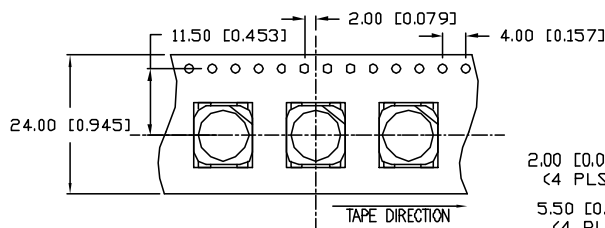
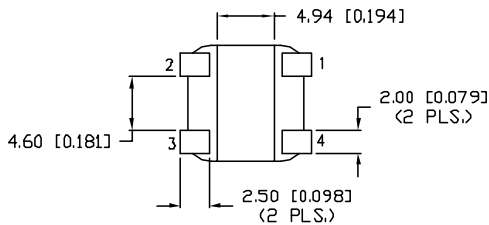
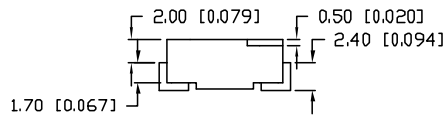
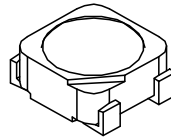
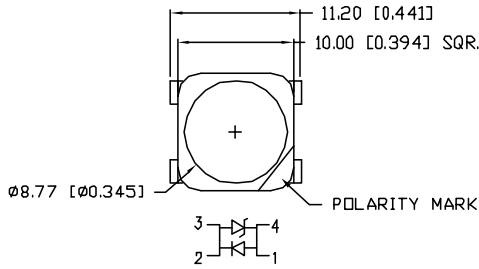


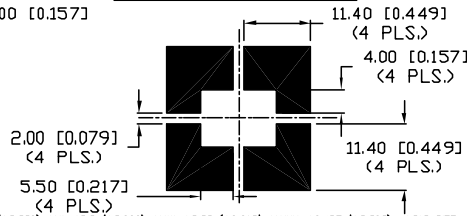
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PART NUMBER
SML-LX1110UWC-BTR

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 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 _f	
REVERSE VOLTAGE	-	-	0	V _r	
AXIAL INTENSITY	-	12000	-	mcad	$I_f=350\text{mA}$
LUMINOUS FLUX	-	22	-	lm	$I_f=350\text{mA}$
CHROMATICITY X:	-	.33	-		
COORDINATES Y:	-	.34	-		
VIEWING ANGLE	-	120	-	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-BTR

PLCC-4 SMT LED, HIGH POWER, ULTRA WHITE.

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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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