

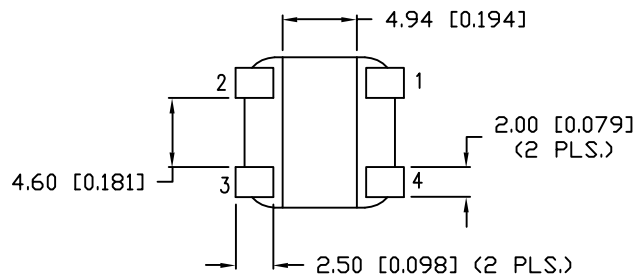
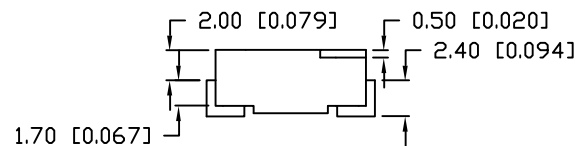
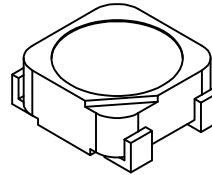
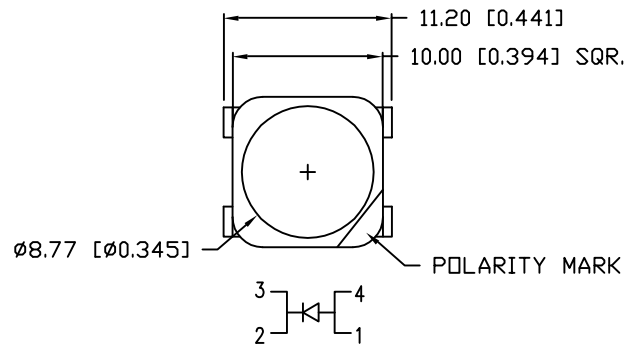
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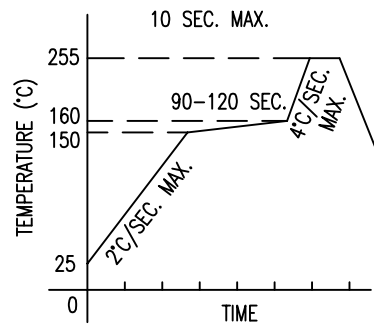
REV.

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REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11440.	9.07.07



## 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		620		nm	
FORWARD VOLTAGE		2.0	2.5	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY		25000		mcd	$I_f=350\text{mA}$
LUMINOUS FLUX		15		lm	$I_f=350\text{mA}$
VIEWING ANGLE		90		2x theta	
EMITTED COLOR:	ORANGE				
EPOXY LENS FINISH:	WATER CLEAR				

## LIMITS OF SAFE OPERATION AT 25°C

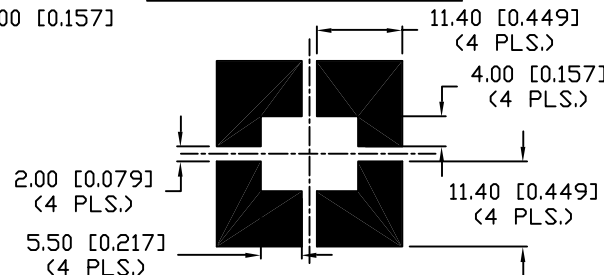
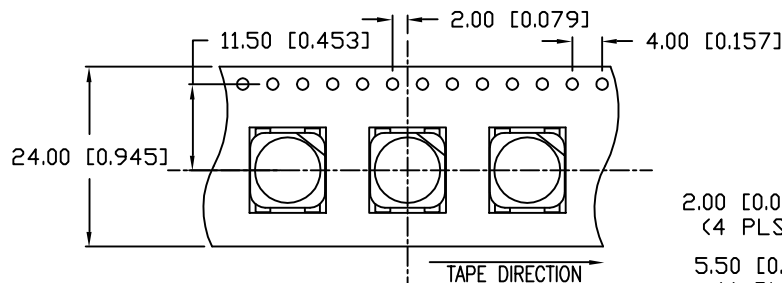
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	500	mA
STEADY CURRENT	350	mA
POWER DISSIPATION	1.2	W
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

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

## NOTES:

1. ANODE TOWARDS TAPE HOLE.

## RECOMMENDED SOLDER PAD LAYOUT



\*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= +DECIMAL PRECISION MAX= +0.00 -DECIMAL PRECISION

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PLCC-4 SMT LED, HIGH POWER, 620nm SUPER ORANGE,  
WITH INTERNAL REFLECTIVE CAVITY.

## 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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