

UNCONTROLLED DOCUMENT

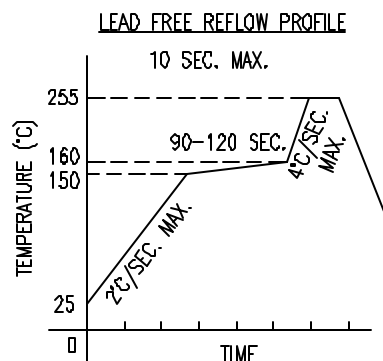
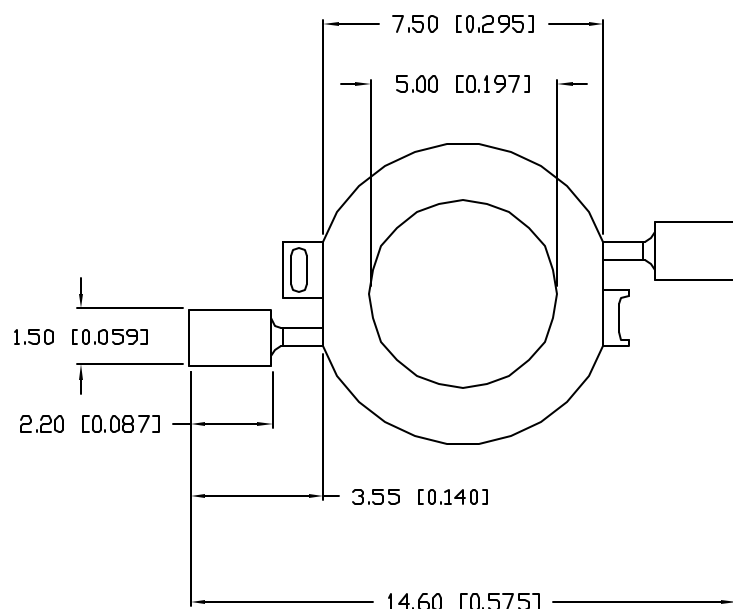
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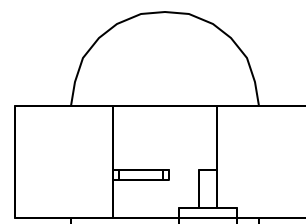
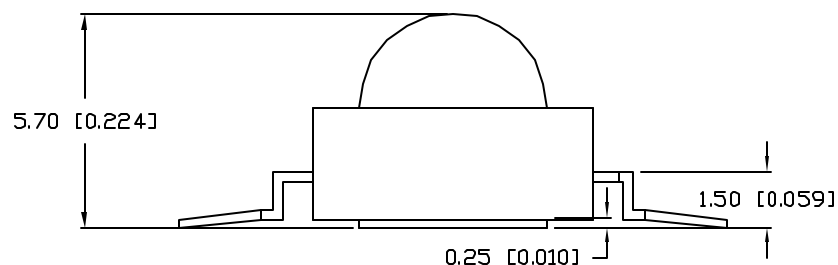
REV.

SML-LXL5531UWC

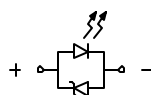
PRELIMINARY IN P/N DIR



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



RECOMMENDED SOLDER PAD LAYOUT.

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		3.6	4.0	V_f	
REVERSE VOLTAGE	8			V_r	$V_r=100\mu\text{A}$
LUMINOUS INTENSITY	80		100	lm	$I_f=350\text{mA}$
COLOR TEMPERATURE	5000		7000	K	$I_f=350\text{mA}$
EMITTED COLOR:	WHITE				
LENS FINISH:	WATER CLEAR				

*1. THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT *	1000	mA
STEADY CURRENT	350	mA
POWER DISSIPATION	4000	mW
OPERATING TEMP.	-40 TO +100	°C
STORAGE TEMP.	-40 TO +100	°C

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

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

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SML-LXL5531UWC

1W HIGH POWER SURFACE MOUNT LED,
WHITE LED, WATER CLEAR LENS.

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.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

DRAWN BY:

CHECKED BY:

APPROVED BY:

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SCALE: N/A



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