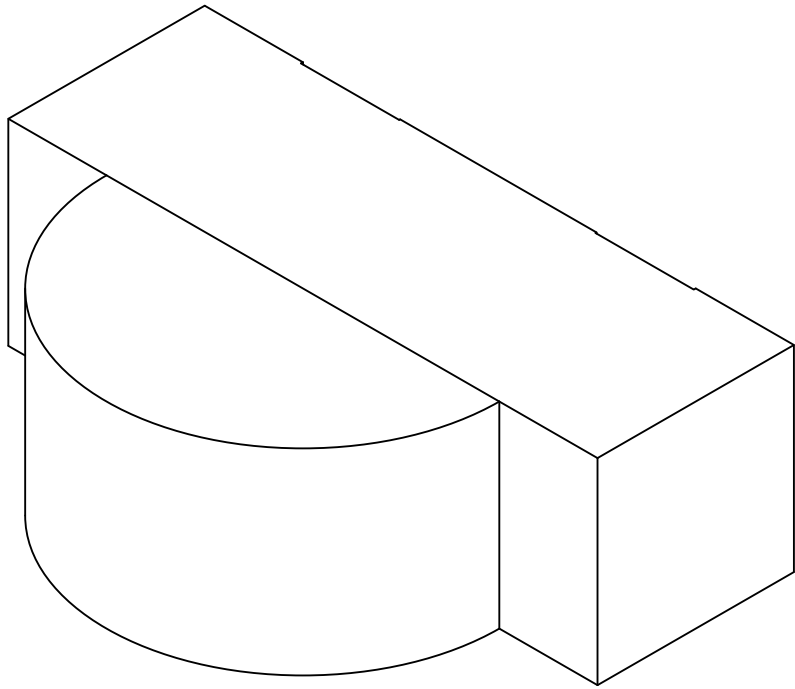
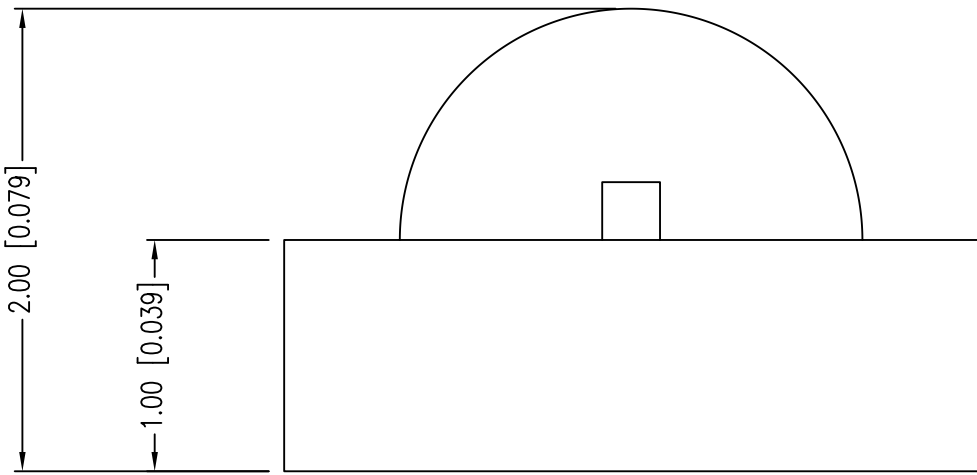
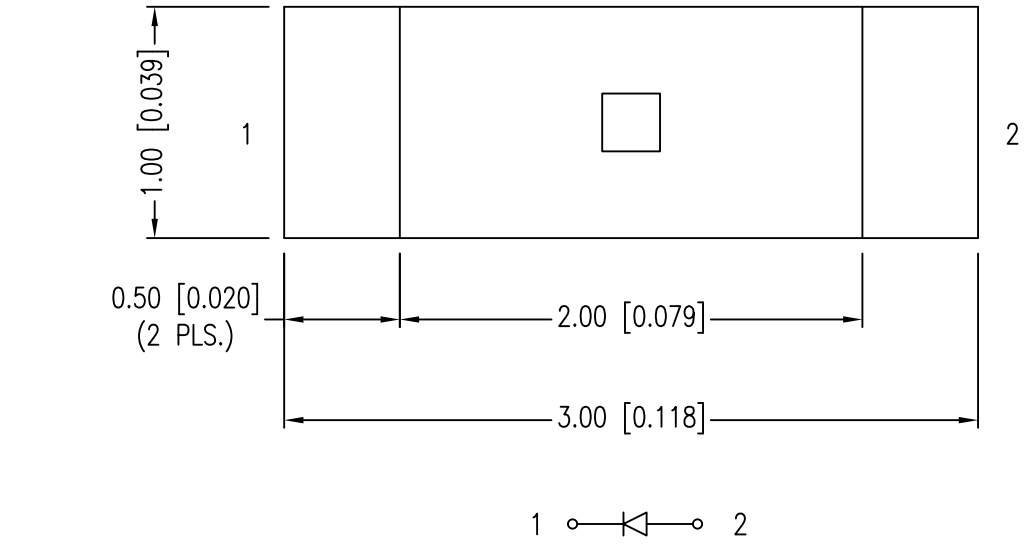


PART NUMBER	SML-LXR851SRC-TR	REV.	F
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
07.18.00	E.C.N. #10644		A
05.31.01	E.C.N. #10745.		B
09.07.04	E.C.N. #10784.		C
03.19.04	E.C.N. #10967.		D
05.16.11	E.C.N. #11710/10BRDR. & REDRAWN.		E
11.14.18	ECN-Lumex201800168		F

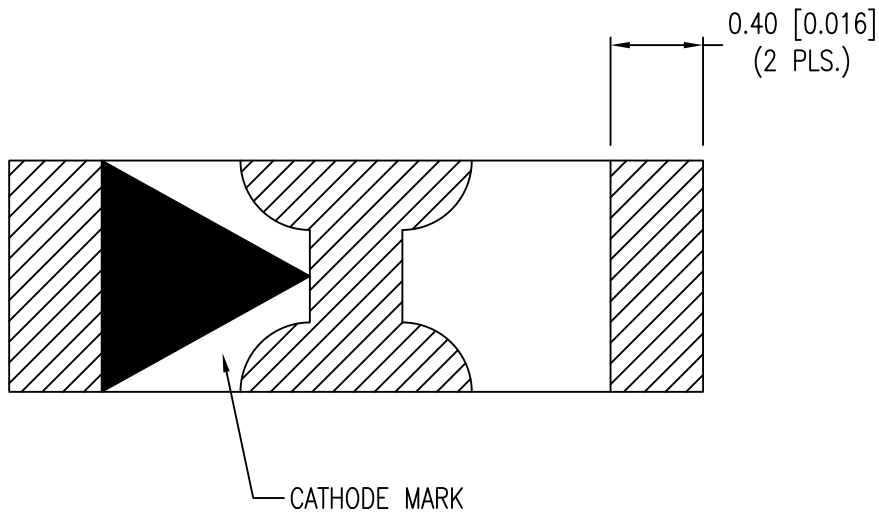


ELECTRO-OPTICAL CHARACTERISTICS TA =25°C If= 20mA					
PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660		nm	
FORWARD VOLTAGE		1.7	2.2	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100μA
AXIAL INTENSITY		33		mcd	If=20mA
VIEWING ANGLE		160		2x theta 1/2	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

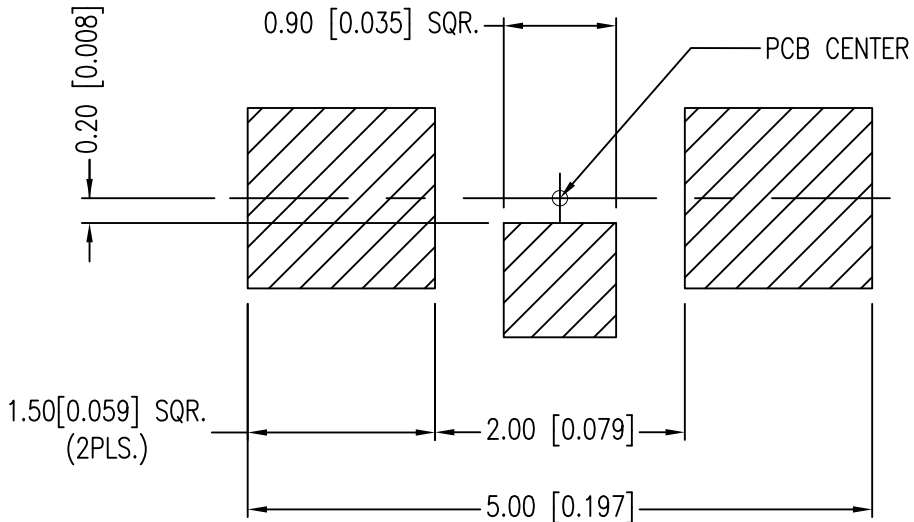
LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	80	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +90	°C

\* t<10μS



CAUTION: MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 3 STANDARDS



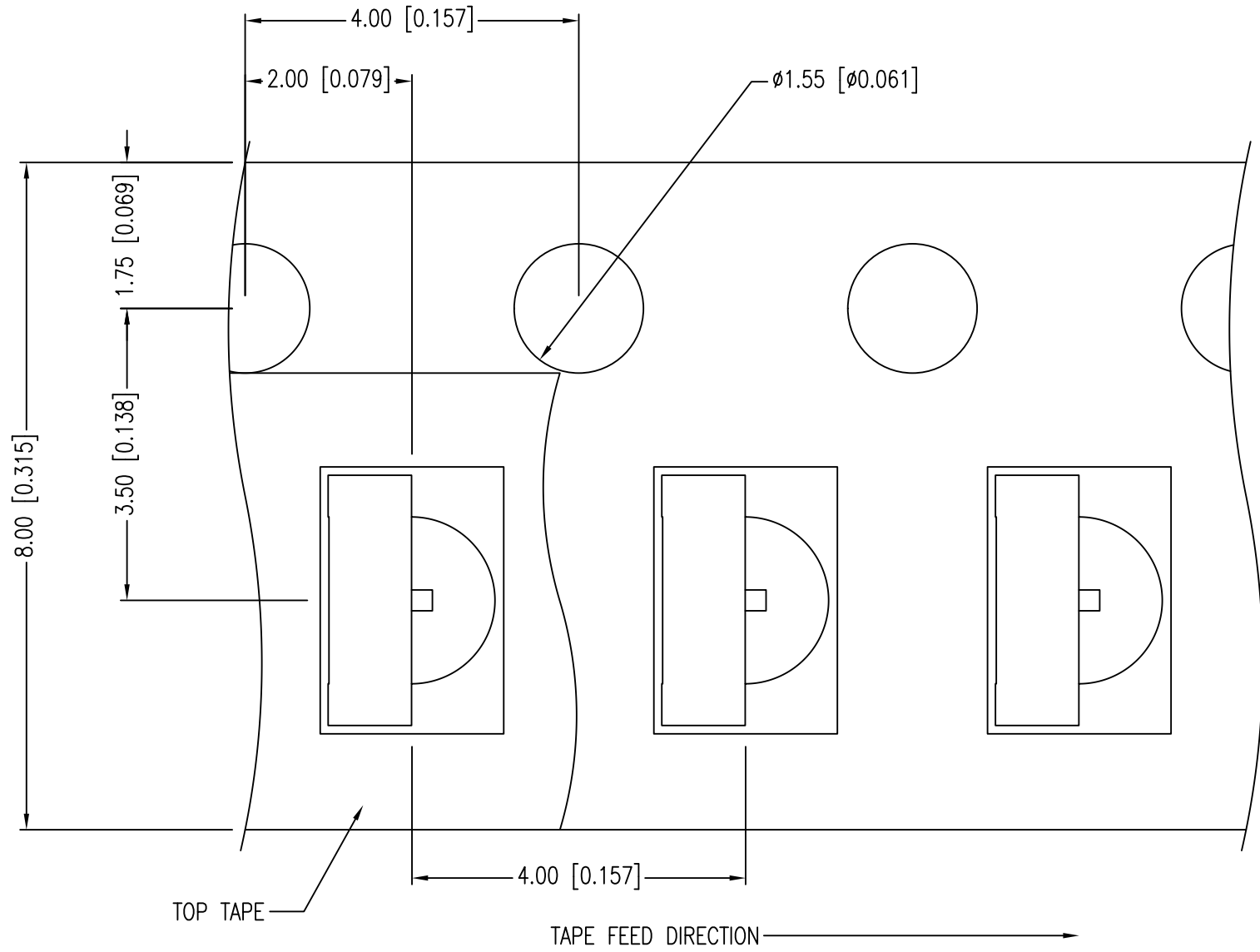
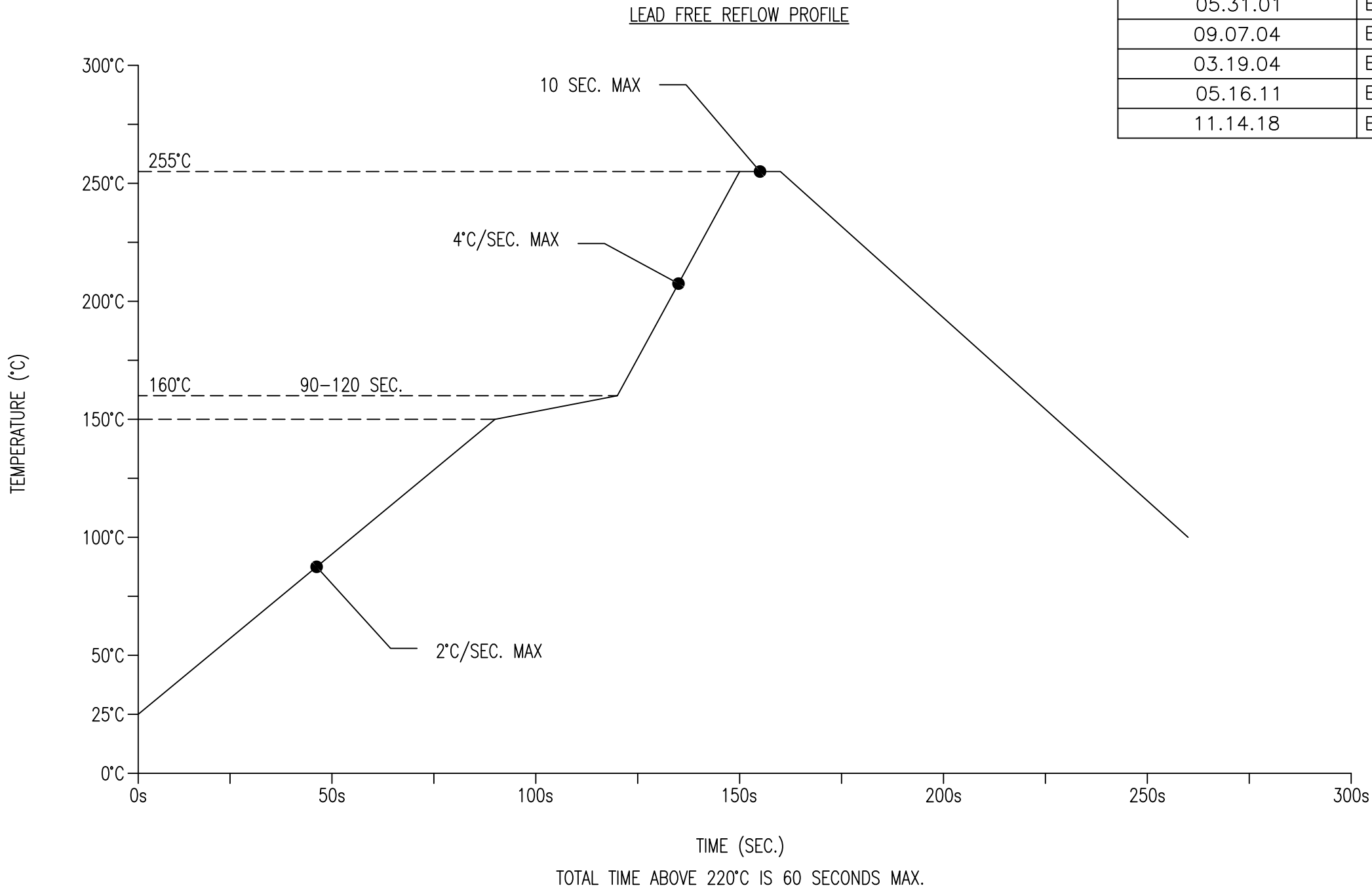
RECOMENDED SOLDER PAD LAYOUT



\*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= <sup>+DECIMAL PRECISION</sup><sub>-0.00</sub> MAX.= <sup>+0.00</sup><sub>-DECIMAL PRECISION</sub> UNCONTROLLED DOCUMENT

 <div>425 N. GARY AVE. CAROL STREAM, IL 60188-4900 PHONE: 800-278-5666 FAX: 630-315-2152 WEB: WWW.LUMEX.COM</div>	1.0x3.0mm PCB RIGHT ANGLE SURFACE MOUNT LED, 660nm SUPER RED, WATER CLEAR LENS, TAPE & REEL.	DATE: 11.14.18	DRAWN BY: C.S.
	<div>**THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.**</div> <div>CONFIDENTIAL INFORMATION</div> <div>THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.</div>	PAGE: 1 OF 2	CHKD BY: E.C.
		SCALE: NTS	APRVD BY: G.Y.
		UNIT: mm [INCH]	

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05.16.11	E.C.N. #11710/10BRDR. & REDRAWN.		E
11.14.18	ECN-Lumex201800168		F



- NOTES:
- 2,000 PER REEL.
  - THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

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1.0x3.0mm PCB RIGHT ANGLE SURFACE MOUNT LED, 660nm SUPER RED, WATER CLEAR LENS, TAPE & REEL.

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DATE:	11.14.18	DRAWN BY:	C.S.
PAGE:	2 OF 2	CHKD BY:	E.C.
SCALE:	NTS	APRVD BY:	G.Y.
UNIT:	mm [INCH]		(Pb)

# Mouser Electronics

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[SML-LXR851SRC-TR](#)