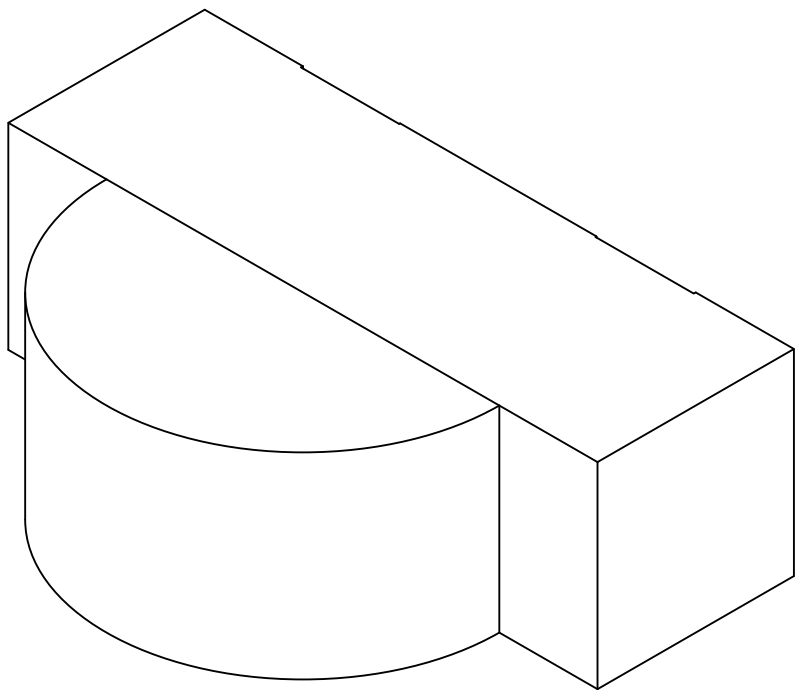
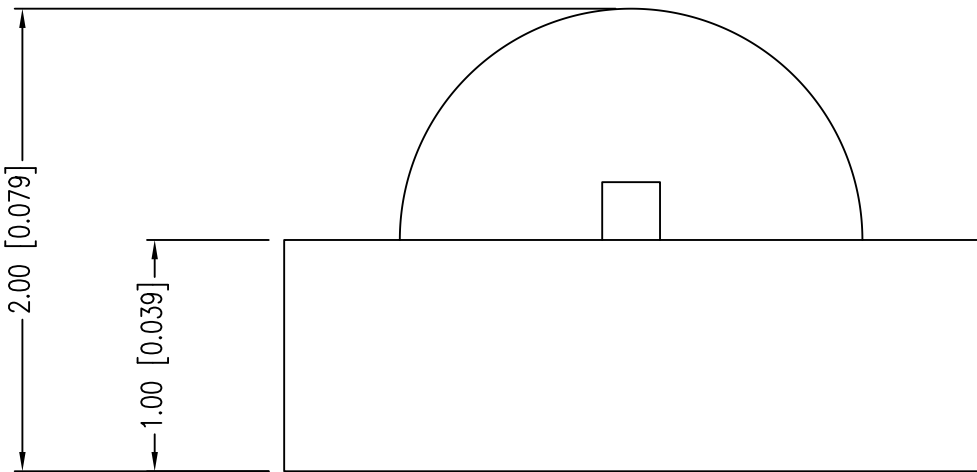
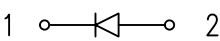
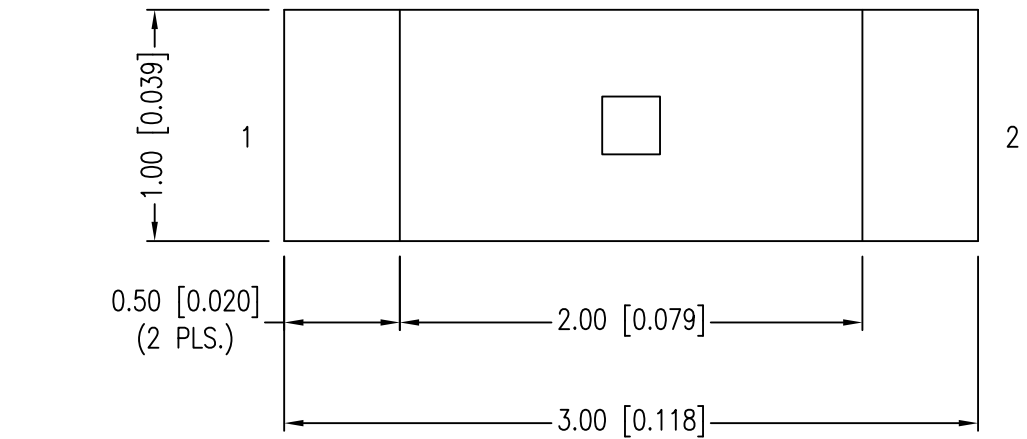


PART NUMBER	SML-LXR851SRC-TR	REV.	F
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
07.18.00	E.C.N. #10644		A
05.31.01	E.C.N. #10745.		B
09.07.04	E.C.N. #10784.		C
03.19.04	E.C.N. #10967.		D
05.16.11	E.C.N. #11710/10BRDR. & REDRAWN.		E
11.14.18	ECN-Lumex201800168		F

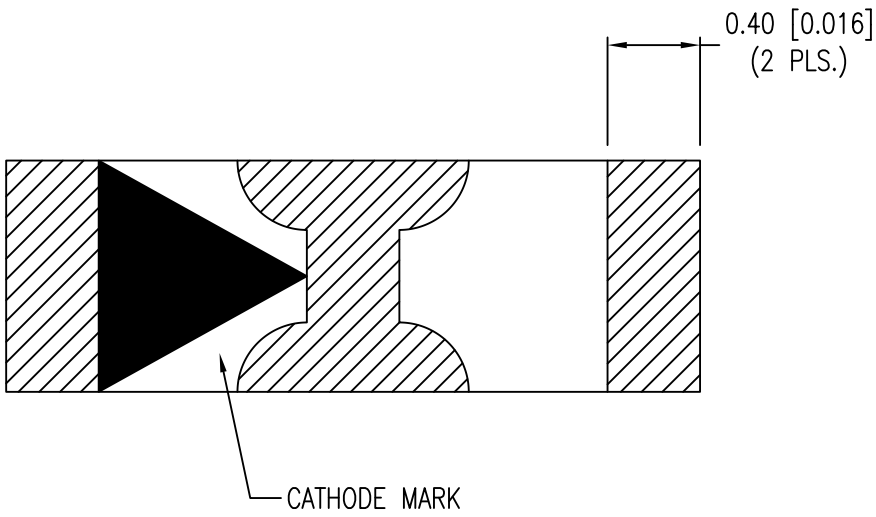


ELECTRO-OPTICAL CHARACTERISTICS TA =25°C If= 20mA					
PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660		nm	
FORWARD VOLTAGE		1.7	2.2	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100μA
AXIAL INTENSITY		33		mcd	If=20mA
VIEWING ANGLE		160		2x theta 1/2	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

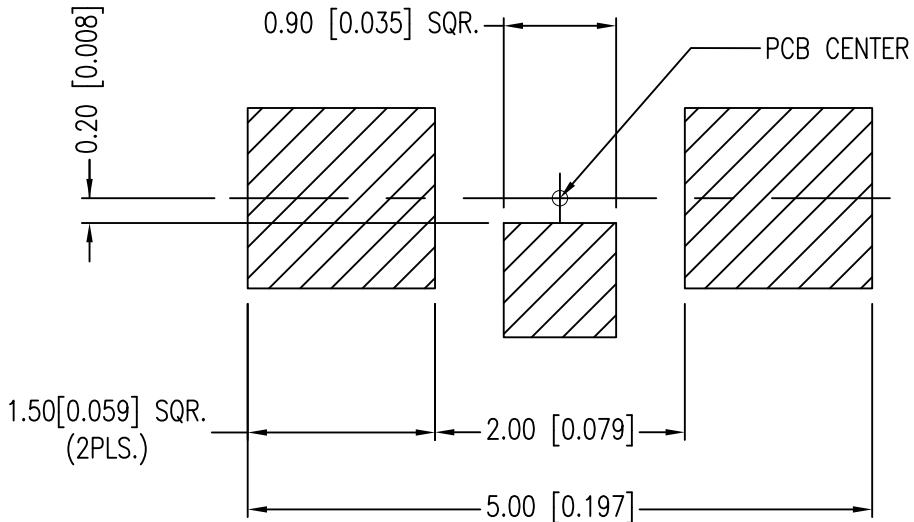
LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	80	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +90	°C

* 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= ^{+DECIMAL PRECISION}_{-0.00} MAX.= ^{+0.00}_{-DECIMAL PRECISION} UNCONTROLLED DOCUMENT



425 N. GARY AVE.
CAROL STREAM, IL 60188-4900
PHONE: 800-278-5666
FAX: 630-315-2152
WEB: WWW.LUMEX.COM

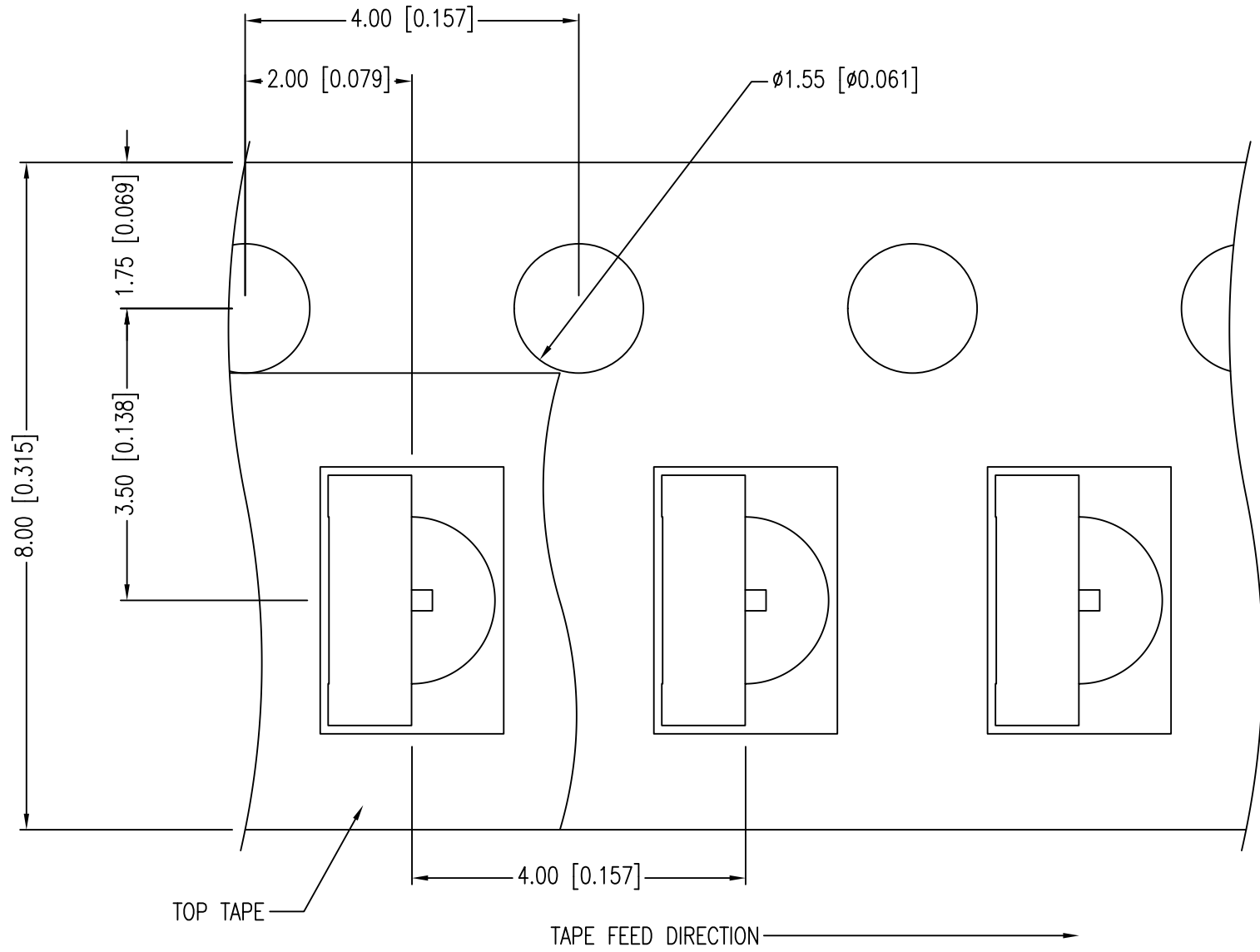
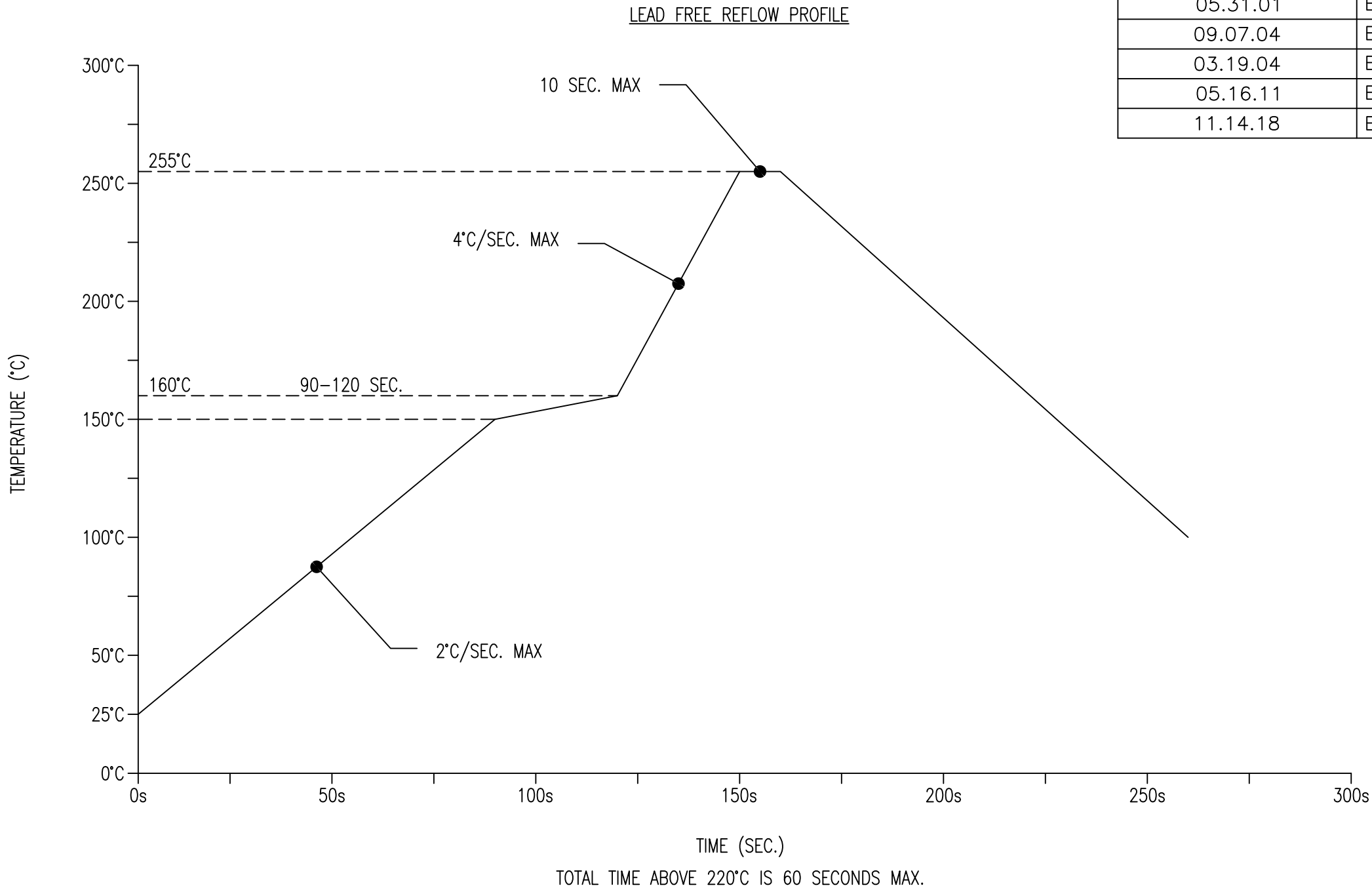
1.0x3.0mm PCB RIGHT ANGLE SURFACE MOUNT LED, 660nm SUPER RED, WATER CLEAR LENS, TAPE & REEL.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.

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DATE:	11.14.18	DRAWN BY:	C.S.
PAGE:	1 OF 2	CHKD BY:	E.C.
SCALE:	NTS	APRVD BY:	G.Y.
UNIT:	mm [INCH]		(Pb)

PART NUMBER	SML-LXR851SRC-TR	REV.	F
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
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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.

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



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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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SCALE:	NTS	APRVD BY:	G.Y.
UNIT:	mm [INCH]		(Pb)

Mouser Electronics

Authorized Distributor

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