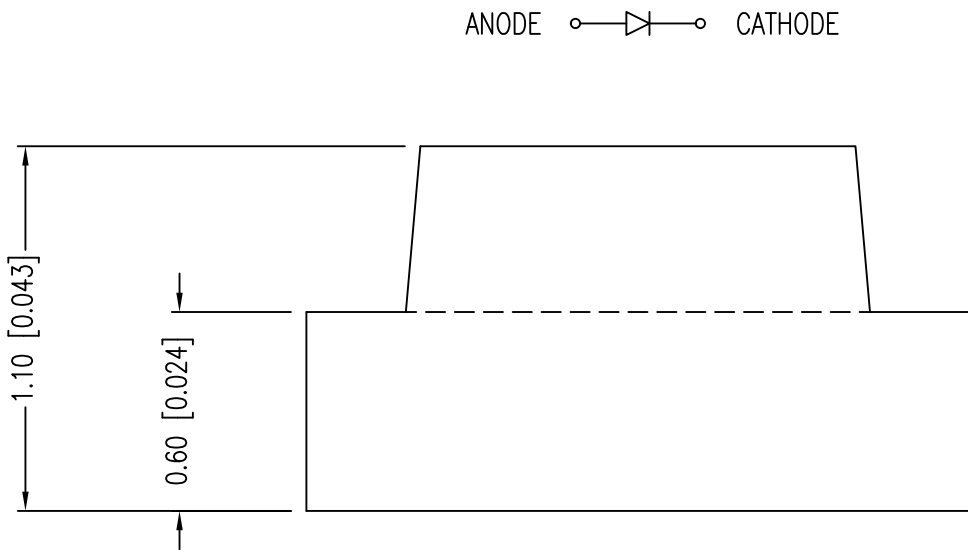
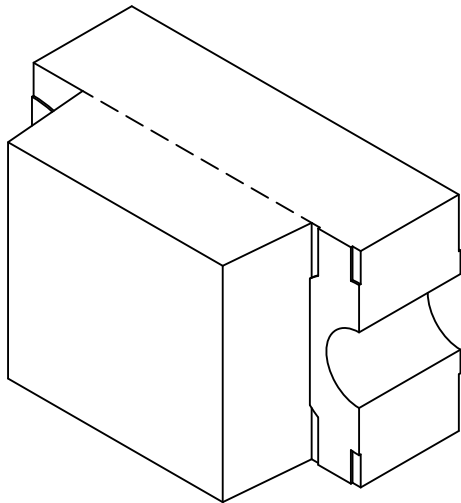
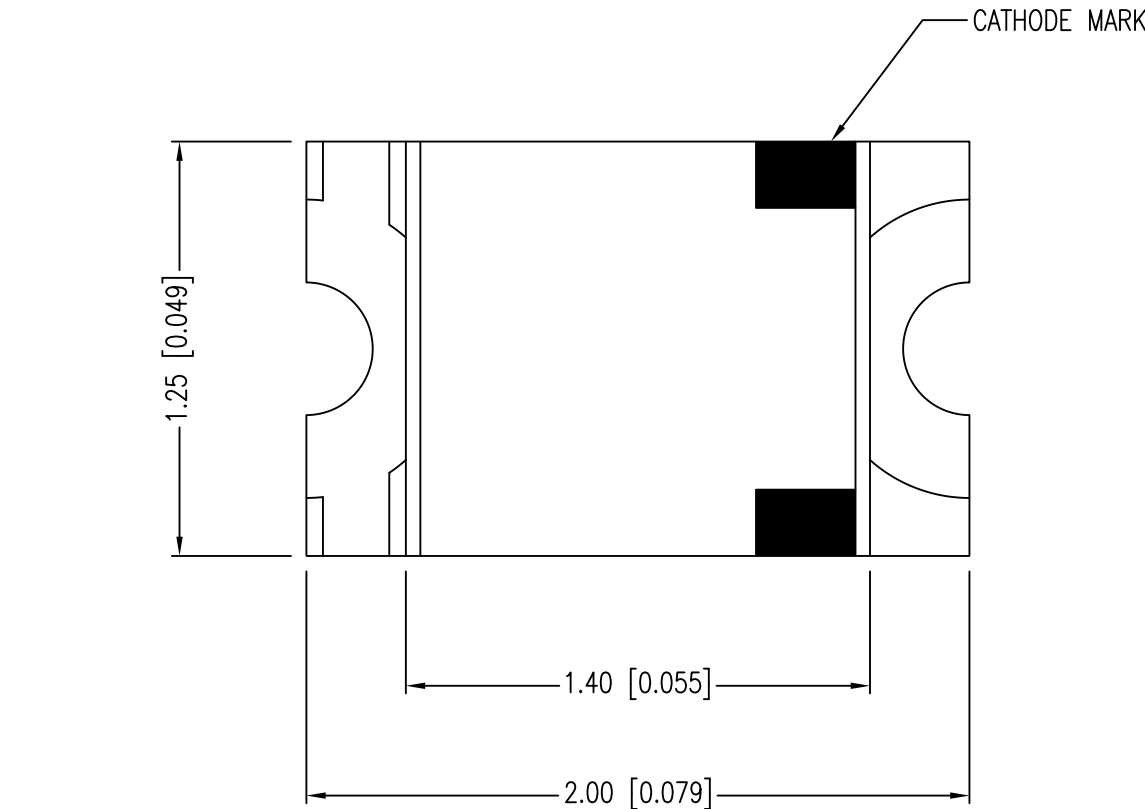
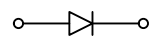
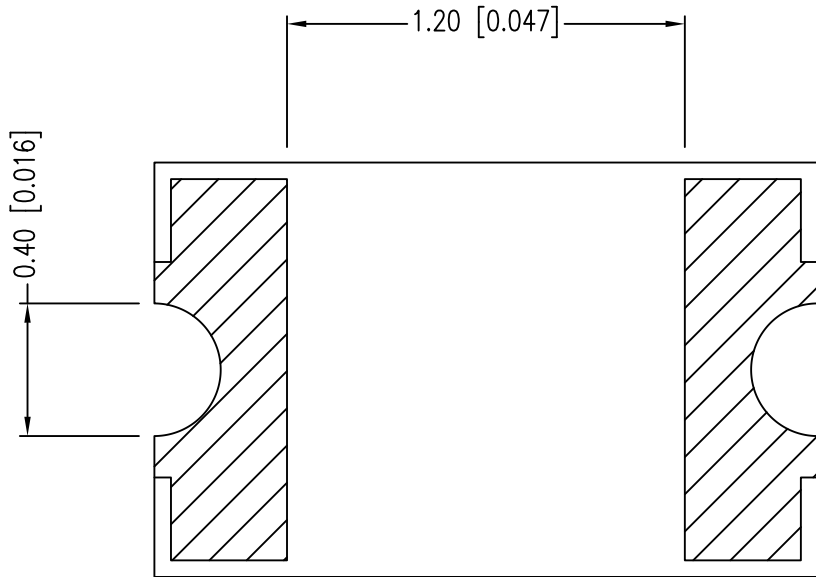


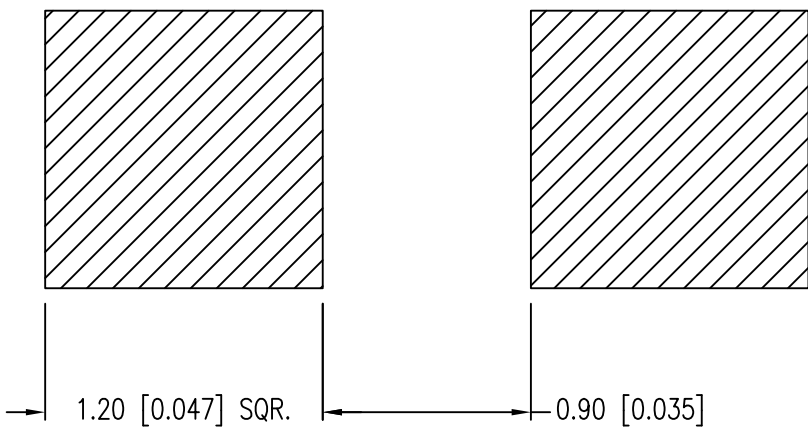
PART NUMBER	SML-LX0805DRC-TR	REV.	F
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
05.09.02	E.C.N. #10862.		A
03.14.03	E.C.N. #10967.		B
01.17.05	E.C.N. #11148.		C
03.06.09	E.C.N. #11508.		D
05.07.12	E.C.N. #10BRDR & REDRAWN.		E
11.06.18	ECN-Lumex201800168		F



ANODE  CATHODE



RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=20mA					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		650		nm	
FORWARD VOLTAGE		2.0	2.4	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100μA
AXIAL INTENSITY		25		mcd	If=20mA
VIEWING ANGLE		140		2x theta 1/2	
EMITTED COLOR:	RED				
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	60	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

*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}



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

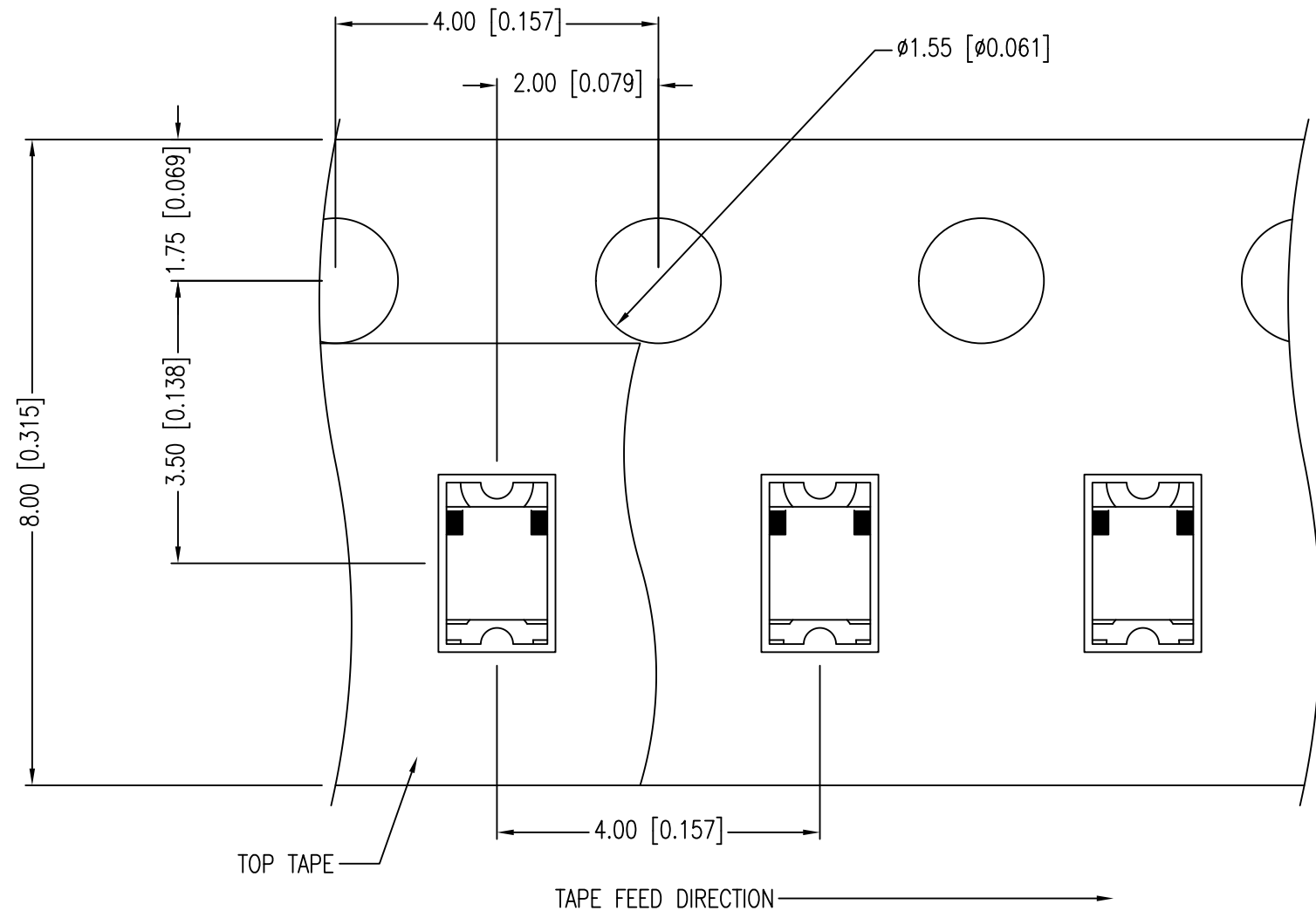
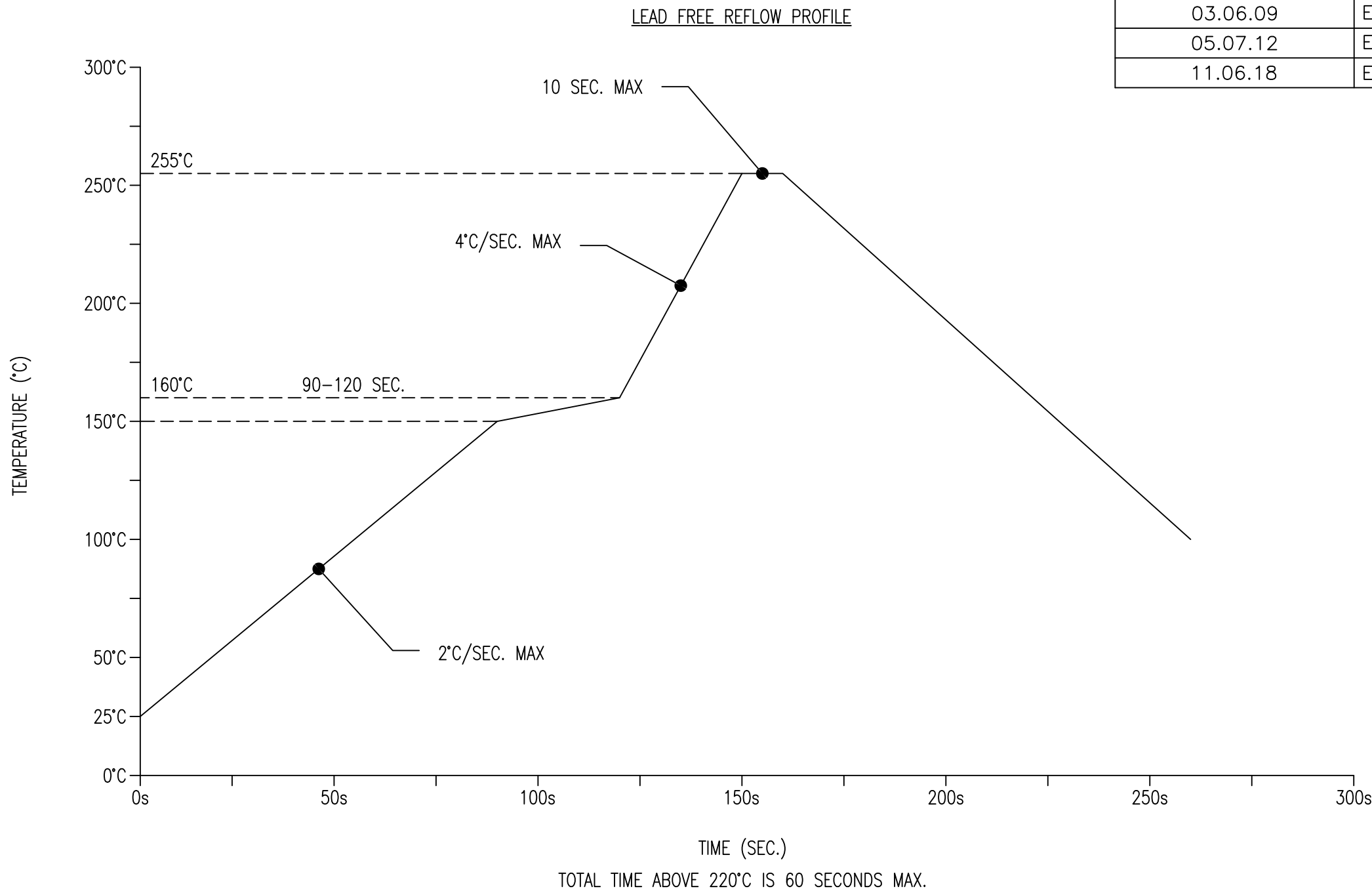
2.0mm x 1.25mm PCB SURFACE MOUNT, 650nm DEEP RED, WATER CLEAR LENS, TAPE AND REEL.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.

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DATE:	11.06.18	DRAWN BY:	C.S.
PAGE:	1 OF 2	CHKD BY:	E.C.
SCALE:	NTS	APRVD BY:	G.Y.
UNIT:	mm [INCH]		

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05.07.12	E.C.N. #10BRDR & REDRAWN.		E
11.06.18	ECN-Lumex201800168		F



- NOTES:
1. POLARITY MARK IS ORIENTED TOWARDS TAPE SPROCKET HOLE.

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2.0mm x 1.25mm PCB SURFACE MOUNT, 650nm DEEP RED, WATER CLEAR LENS, TAPE AND REEL.

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

Mouser Electronics

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