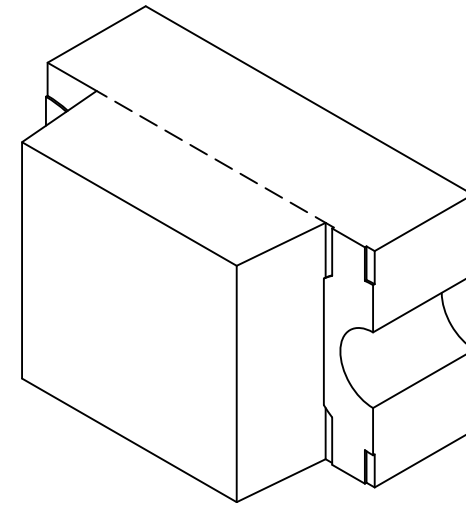
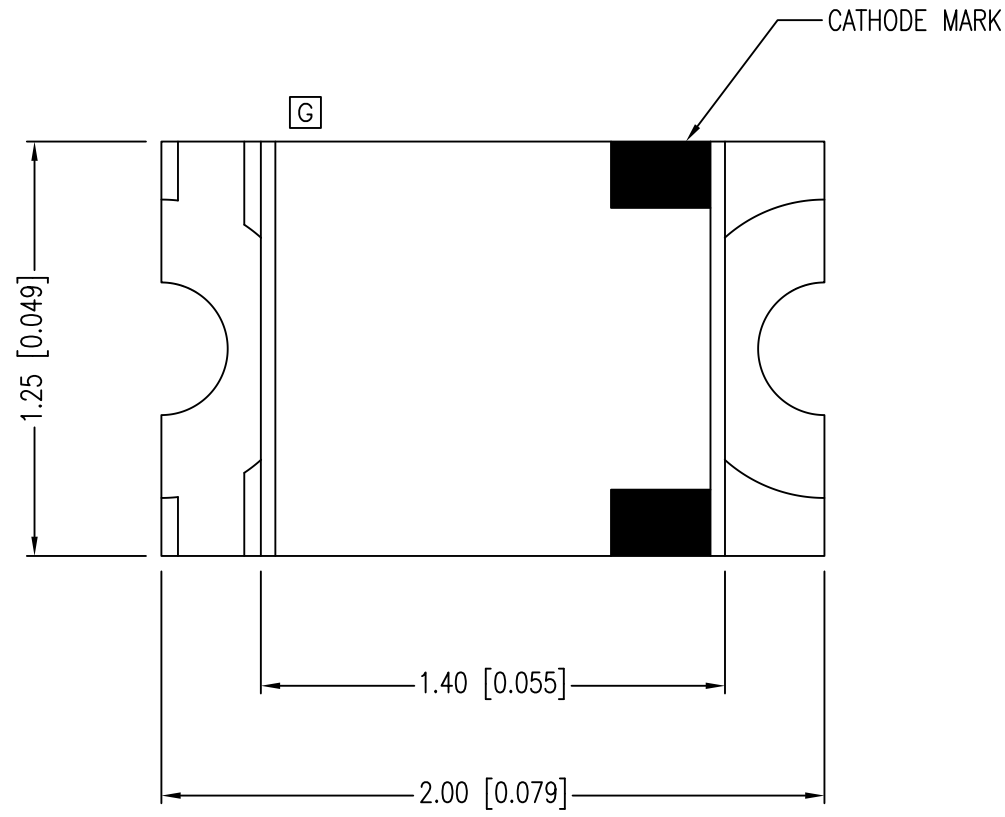


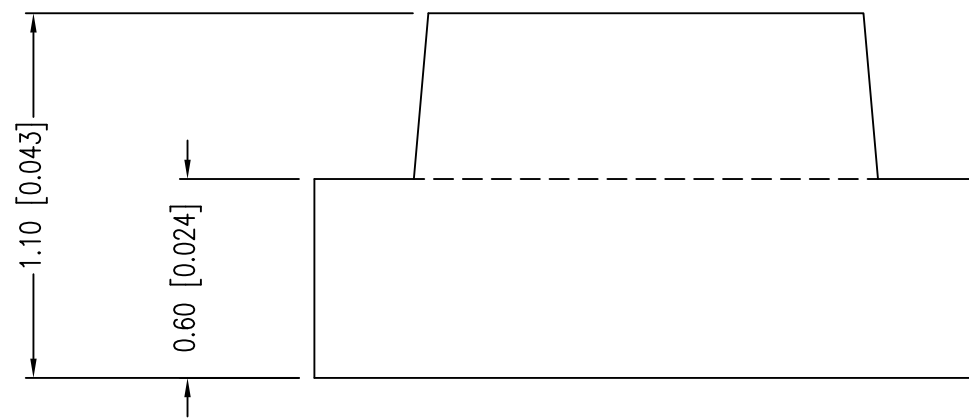
PART NUMBER	SML-LX0805SYC-TR	REV.	G
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	
07.18.00	E.C.N. #10644. & REDRAWN IN 3D.	A	
05.09.00	E.C.N. #10862.	B	
03.14.03	E.C.N. #10932.	C	
01.17.05	E.C.N. #10967.	D	
03.06.08	E.C.N. #11508.	E	
07.01.11	E.C.N. #10BRDR. & REDRAWN.	F	
11.07.18	ECN-Lumex201800168	G	



ELECTRO-OPTICAL CHARACTERISTICS TA =25°C If=20mA

PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590		nm	
FORWARD VOLTAGE		2.0	2.8	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100µA
AXIAL INTENSITY		9		mcd	If=20mA
VIEWING ANGLE		140		2x theta 1/2	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	WATER CLEAR				

ANODE CATHODE

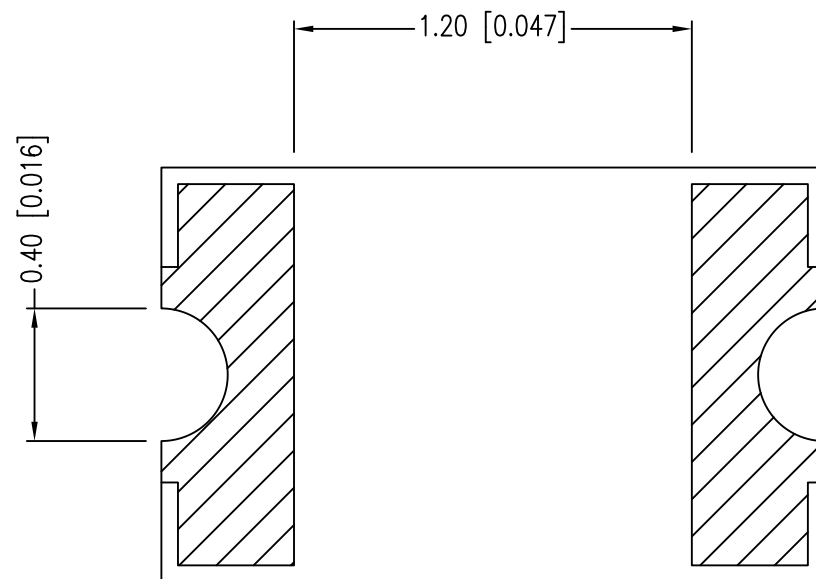


LIMITS OF SAFE OPERATION AT 25°C

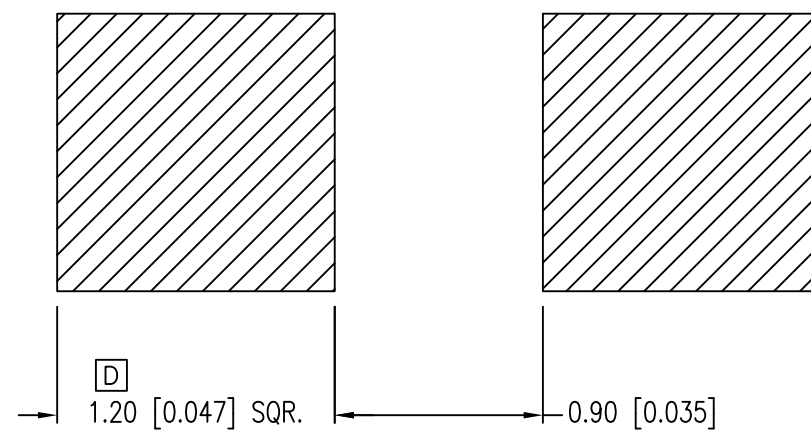
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

* t<10µS

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS



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= ^{+0.00}/_{-0.00} DECIMAL PRECISION 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

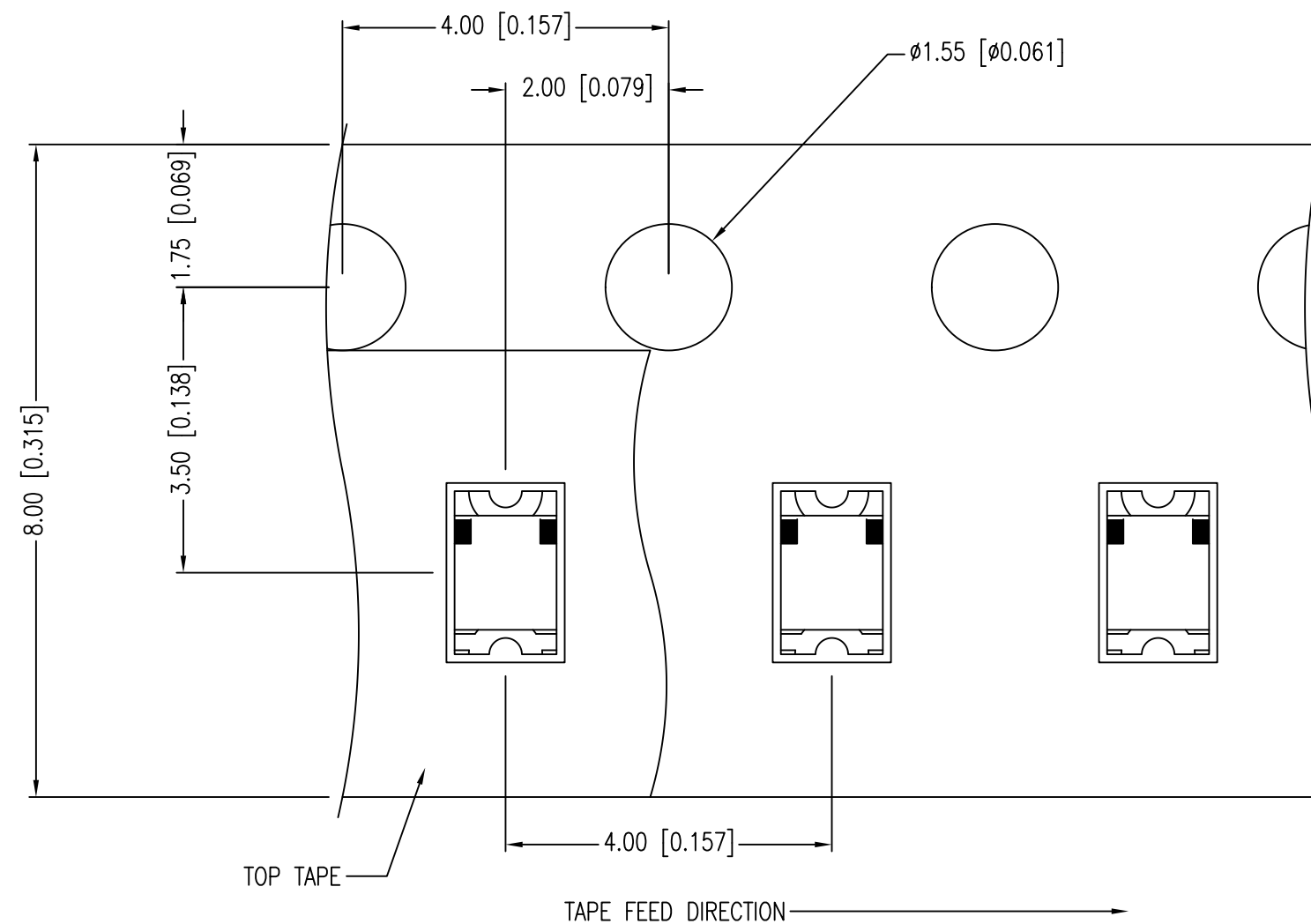
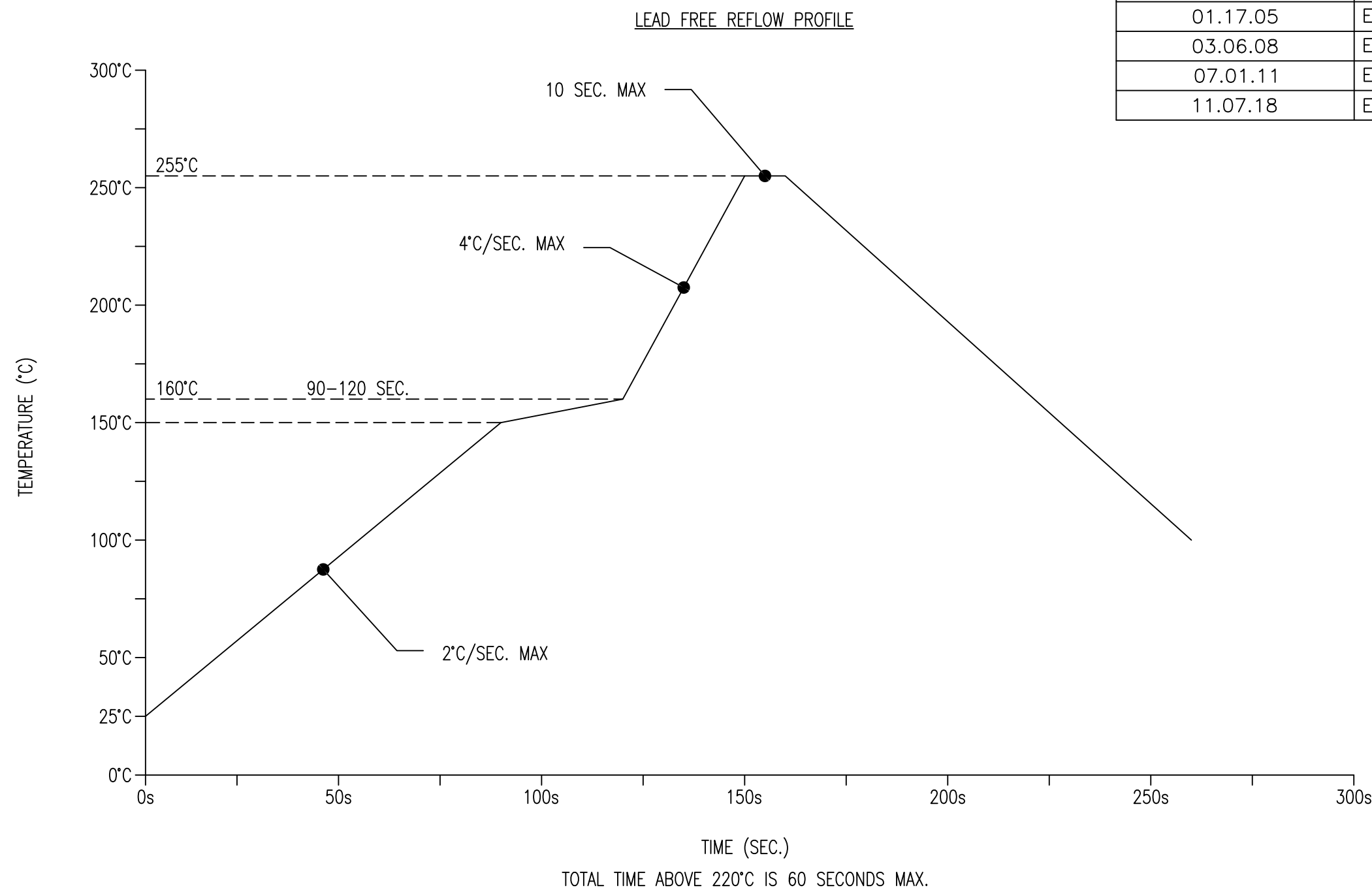
2.0mm x 1.25mm PCB SURFACE MOUNT, TAPE AND REEL, 590nm SUPER YELLOW, WATER CLEAR LENS.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE

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DATE: 11.07.18	DRAWN BY: C.S.
PAGE: 1 OF 2	CHKD BY: E.C.
SCALE: NTS	APRVD BY: G.Y.
UNIT: mm [INCH]	

PART NUMBER	SML-LX0805SYC-TR	REV.	G
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	
07.18.00	E.C.N. #10644. & REDRAWN IN 3D.	A	
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11.07.18	ECN-Lumex201800168	G	



NOTES:

1. CATHODE MARK IS ORIENTED TOWARDS TAPE SPROCKET HOLE.

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2.0mm x 1.25mm PCB SURFACE MOUNT, TAPE AND REEL, 590nm SUPER YELLOW, WATER CLEAR LENS.

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DATE: 11.07.18	DRAWN BY: C.S.
PAGE: 2 OF 2	CHKD BY: E.C.
SCALE: NTS	APRVD BY: G.Y.
UNIT: mm [INCH]	(Pb)