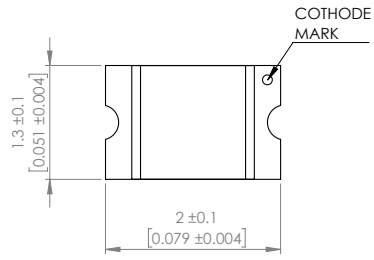
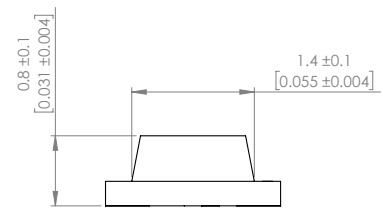
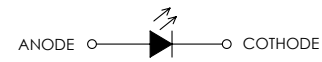


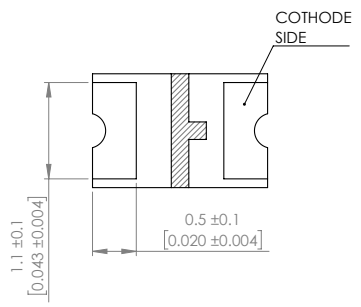
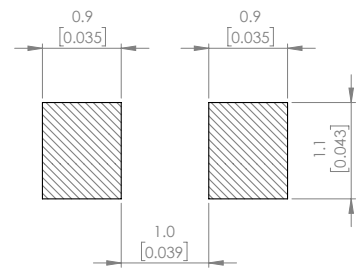
PART NUMBER		SML-LXT0805IW-TR	REV	G
REV	E.C.N. NUMBER	AND REVISION COMMENTS	DATE	
A	E.C.N #10567.		12.08.99	
B	E.C.N #10695.		01.08.01	
C	E.C.N #10814.		02.25.02	
D	E.C.N #10967.		03.22.04	
E	E.C.N #11148.		12.03.04	
F	E.C.N #11508.		09.29.09	
G	ECN-Lumex201700020		06.02.17	



POLARITY



RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	-	640	-	nm	If=20mA
DOMINANT WAVELENGTH	-	628	-	nm	If=20mA
FORWARD VOLTAGE	-	2.1	2.6	Vf	If=20mA
REVERSE VOLTAGE	-	-	5	Vr	Ir=10uA
LUMINOUS INTENSITY	-	7.15	-	mcd	If=20mA
VIEWING ANGLE	-	130	-	2x theta1/2	-
EMITTED COLOR	RED				
EPOXY LENS FINISH	MILKY WHITE DIFFUSED				

ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	40	mA
FORWARD CURRENT	20	mA
POWER DISSIPATION	48	mW
STORAGE TEMPERATURE	-40 TO +100	°C
OPERATING TEMPERATURE	-40 TO +85	°C

*t<10us

CAUTION : MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2a 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= ^{0.00}/_{0.00} DECIMAL PRECISION MAX= ^{0.00}/_{0.00} DECIMAL PRECISION

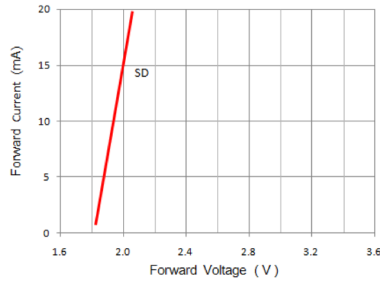


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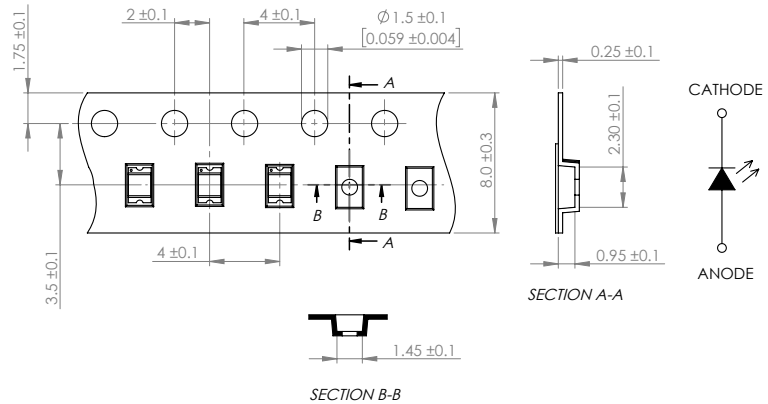
2(L)*1.3(W)*0.8(H)mm, SURFACE MOUNT TOP VIEW LED, GaAsP RED, MILKY WHITE DIFFUSED, TAPE & REEL
THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.
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DATE : 2017.06.02	DRAWN BY : C.C.
PAGE : 1 OF 2	CHKD BY : G.Y.
SCALE : NTF	APRVD BY : R.C.
UNIT : mm [INCH]	

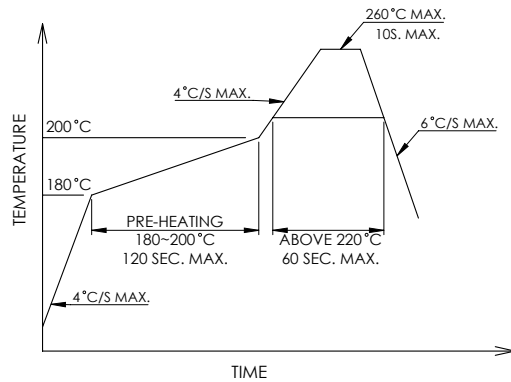
FORWARD VOLTAGE vs. FORWARD CURRENT



CARRIER TAPE DIMENSION



PROFILE



*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}/_{DECIMAL PRECISION}, MAX= ^{±0.00}/_{DECIMAL PRECISION}



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2(L)*1.3(W)*0.8(H)mm, SURFACE MOUNT TOP VIEW LED, GaAsP RED, MILKY WHITE DIFFUSED, TAPE & REEL
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SCALE : NTF	APRVD BY : R.C.
UNIT : mm [INCH]	

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