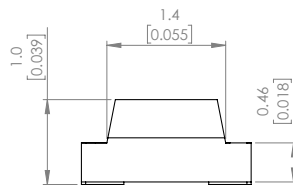
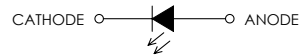
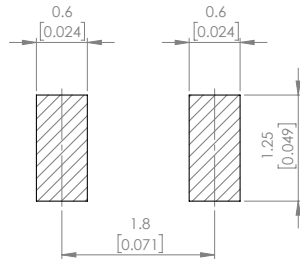


POLARITY



RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER		SML-LX0805UPGC-TR	REV	E
REV	E.C.N. NUMBER AND REVISION COMMENTS		DATE	
A	E.C.N #10862.		05.09.02	
B	E.C.N #10967.		03.14.03	
C	E.C.N #11248.		08.09.05	
D	E.C.N #10BRDR. & REDRAWN / #11731.		06.20.11	
E	ECN-Lumex201700068		09.11.17	

ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	-	518	-	nm	If=20mA
FORWARD VOLTAGE	-	3.5	4.0	Vf	If=20mA
REVERSE VOLTAGE	-	-	5	Vr	Ir=50uA
LUMINOUS INTENSITY	-	115	-	mcd	If=20mA
VIEWING ANGLE	-	140	-	2x theta 1/2	-
EMITTED COLOR	GREEN				
EPOXY LENS FINISH	WATER CLEAR				

ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
FORWARD CURRENT	25	mA
POWER DISIPATION	95	mW
STORAGE TEMPERATURE	-40 TO +90	°C
OPERATING TEMPERATURE	-40 TO +85	°C

*t<10us

NOTE:

1. RoHS COMPLIANT.
2. COMPLIANCE WITH EU REACH.
3. COMPLIANCE Halogen Free .
(Br <900 ppm ,Cl <900 ppm , Br+Cl < 1500 ppm)

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 MAX= *0.00 DECIMAL PRECISION



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CAROL STREAM, IL 60188
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2(L)*1.25(W)*1(H)mm, SURFACE MOUNT TOP VIEW LED 518nm, InGaN GREEN, WATER CLEAR LENS, TAPE & REEL
THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.
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DATE : 2017.09.11	DRAWN BY : C.C.
PAGE : 1 OF 2	CHKD BY : G.Y.
SCALE : NTF	APRVD BY : E.C.
UNIT : mm [INCH]	

