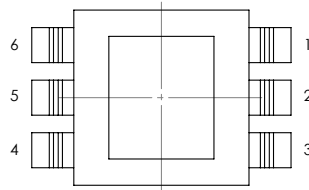
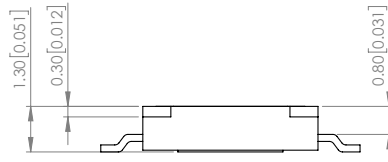
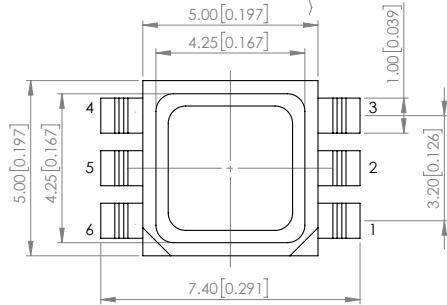
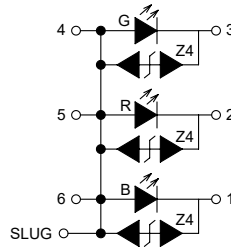


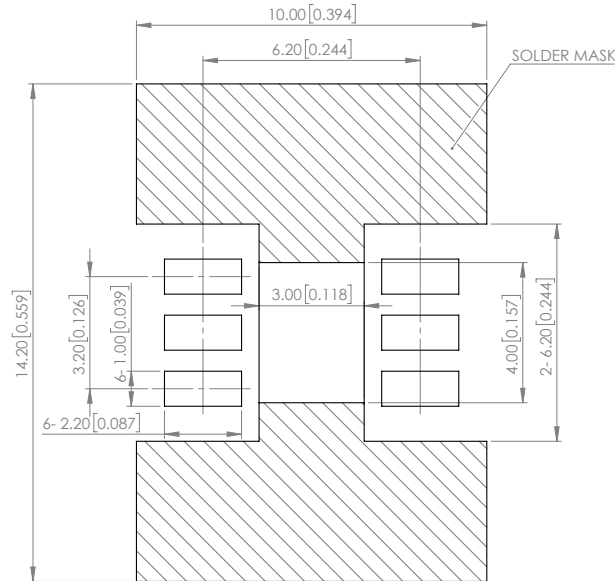
PART NUMBER		SML-LX5050SIUPGUBC	REV	A
REV	E.C.N NUMBER AND REVISION COMMENTS			DATE
A	ECN-Lumex201700085			10.02.17



POLARITY



RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	R	-	635	-	If=150mA
	G	-	515	-	
	B	-	452	-	
FORWARD VOLTAGE	R	-	2.5	3.0	Vf If=150mA
	G	-	3.5	4.0	
	B	-	3.5	4.0	
REVERSE CURRENT	-	-	85	mA	--
LUMINOUS INTENSITY	R	-	3200	-	mcd If=150mA
	G	-	6300	-	
	B	-	1500	-	
VIEWING ANGLE	-	120	-	2x theta 1/2	If=10mA
EMITTED COLOR	RED / GREEN / BLUE				
EPOXY LENS FINISH	WATER CLEAR				

ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT (R/G/B)*	300 / 300 / 300	mA
FORWARD CURRENT (R/G/B)	150 / 150 / 150	mA
POWER DISSIPATION (R/G/B)	450 / 600 / 600	mW
REVERSE VOLTAGE	5	V
STORAGE TEMPERATURE	-40 TO +85	°C
OPERATING TEMPERATURE	-40 TO +85	°C

*t<10us

NOTE:

1. RoHS COMPLIANT.

MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS

STATIC DEVICE FOLLOW PROPER
E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART

*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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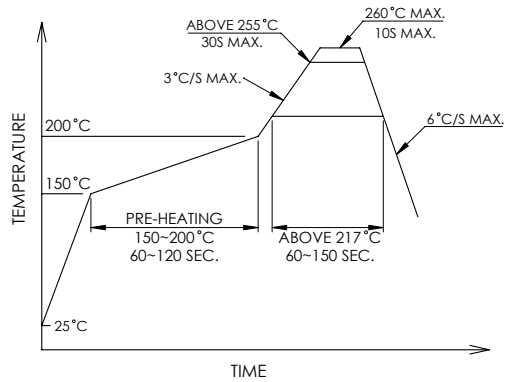
5(L)*5(W)*1.3(H)mm, SML W / REFLECTOR, AlGaInP RED / InGaIn GREEN / InGaIn BLUE, WATER CLEAR LENS, TAPE & REEL.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

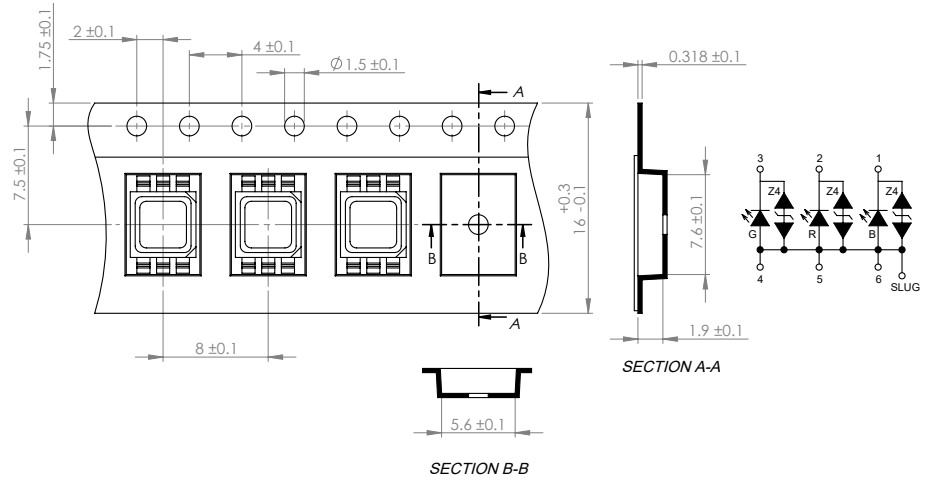
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DATE : 2017.10.02	DRAWN BY : C.C.
PAGE : 1 OF 2	CHKD BY : G.Y.
SCALE : NTF	APRVD BY : E.C.
UNIT : mm [INCH]	

PROFILE



CARRIER TAPE DIMENSION



*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= ^{DECIMAL PRECISION} 0.00