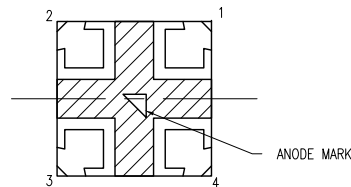
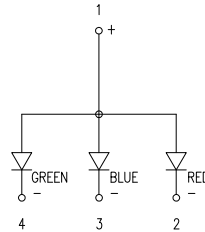
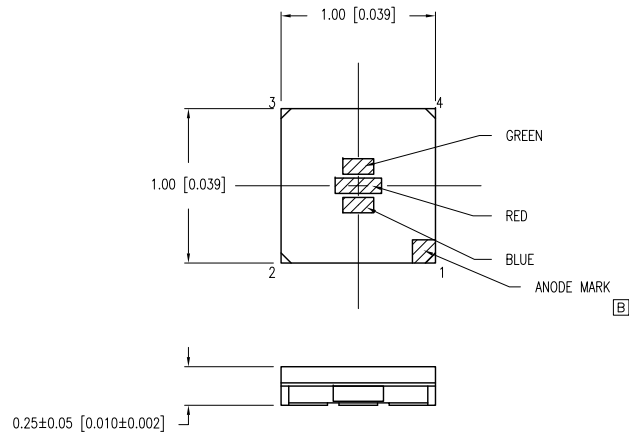


PART NUMBER	SML-LX0404SIUPGUSB	REV.	B
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
5-11-15	E.C.N. #11941		A
6-3-15	E.C.N. #11956		B

ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$ $I_f = 2\text{mA}$

PARAMETER	RED	GREEN	BLUE	UNITS	TEST COND
PEAK WAVELENGTH	632	518	465	nm	
FORWARD VOLTAGE MIN	1.75	2.75	2.60	V _f	
FORWARD VOLTAGE MAX	2.15	2.95	2.85	V _f	
REVERSE CURRENT MAX	10	50	50	μA	V _r = 5V
AXIAL INTENSITY	30	40	20	mcd	I _f = 2mA
VIEWING ANGLE	120	120	120	2x theta	
EMITTED COLOR:	RED/GREEN/BLUE				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

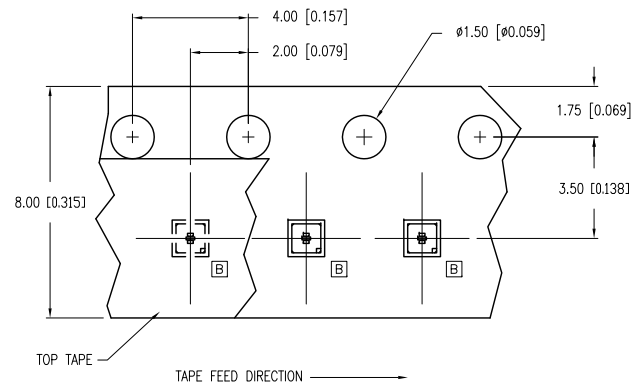
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT* (R/G/B)	60/100/20	mA
STEADY CURRENT (R/G/B)	30/25/10	mA
POWER DISSIPATION (R/G/B)	60/95/30	mW
DERATE FROM 25°C	- 1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

*DUTY 1/10 @ 1KHz

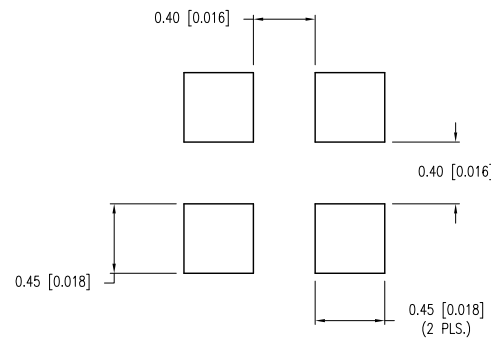
NOTES:

- THE ANODE IS ORIENTED AWAY FROM THE TAPE SPROCKET HOLE.

[A]

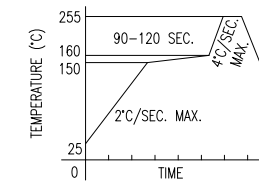
CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

RECOMMENDED SOLDER PAD LAYOUT



LEAD FREE REFLOW PROFILE

10 SEC. MAX.



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

*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

UNCONTROLLED DOCUMENT

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