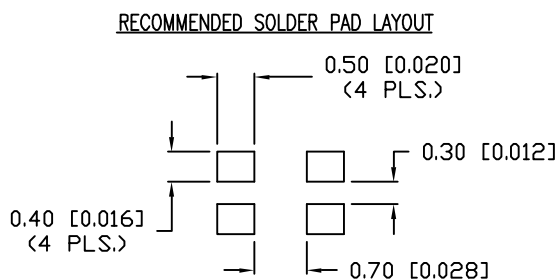
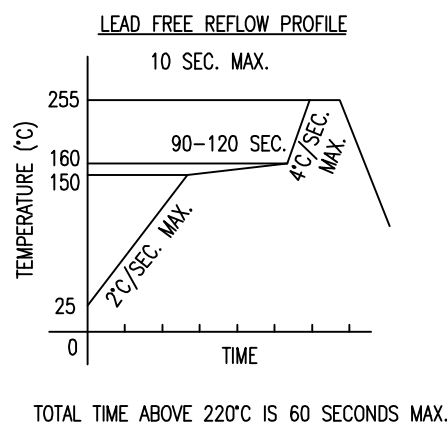
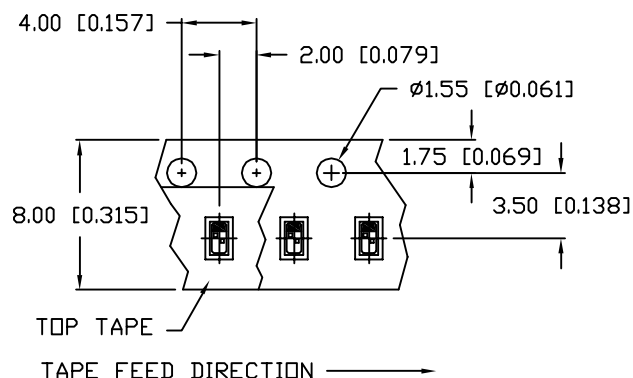
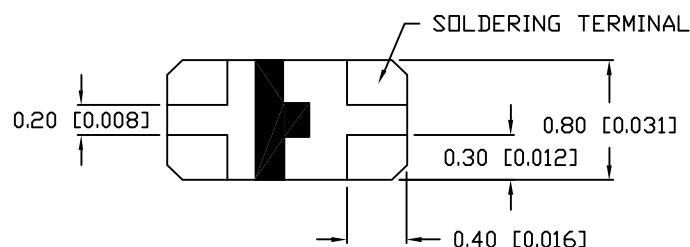
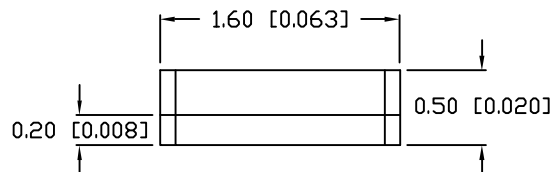
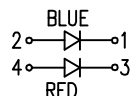
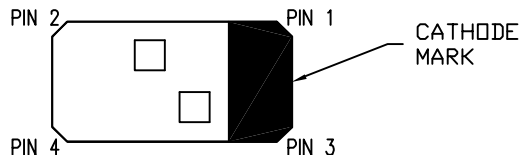


SML-LX0603SIUSBCTR



ELECTRO-OPTICAL CHARACTERISTICS T _A =25°C			I _f =20mA		
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636 (RED)		nm	
		470 (BLUE)		nm	
FORWARD VOLTAGE (R/B)		1.7/3.5	2.2/4.0	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =100μA
AXIAL INTENSITY (R/B)		120/90		mcd	I _f =20mA
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED/BLUE				
EPOXY LENS FINISH:	MILKY WHITE				

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	72	mW
DERATE FROM 25°C	- 1.2	mW/°C
OPERATING TEMP.	- 30 TO + 85	°C
STORAGE TEMP.	- 40 TO + 85	°C

* $t < 10 \mu S$

NOTES:

1. THE CATHODE IS ORIENTED
TOWARDS THE TAPE SPROCKET HOLE.

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

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS



UNCONTROLLED DOCUMENT

*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

REV.

PART NUMBER

SML-LX0603SIUSBCTR

1.6mm x 0.8mm PCB, 2 CHIP, SURFACE MOUNT LED,
636nm AlInGaP RED/ 470 InGaN BLUE LED,
MILKY WHITE DIFFUSED LENS.

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RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT
SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE.
PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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