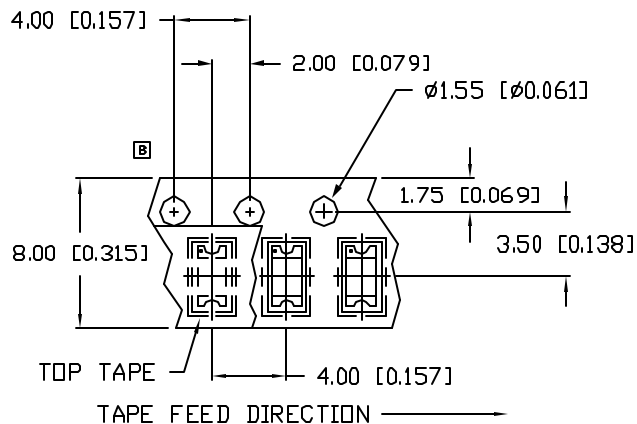
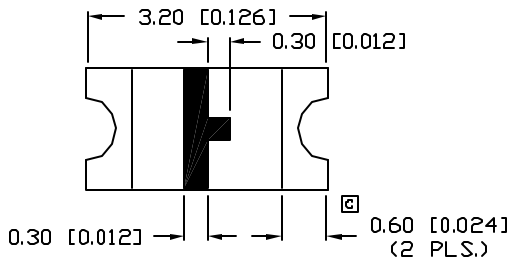
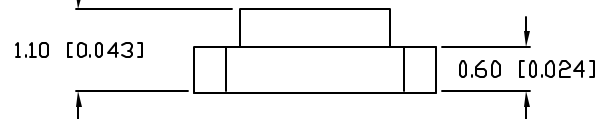
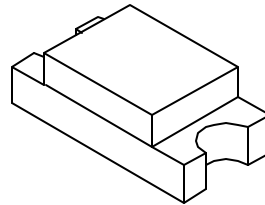
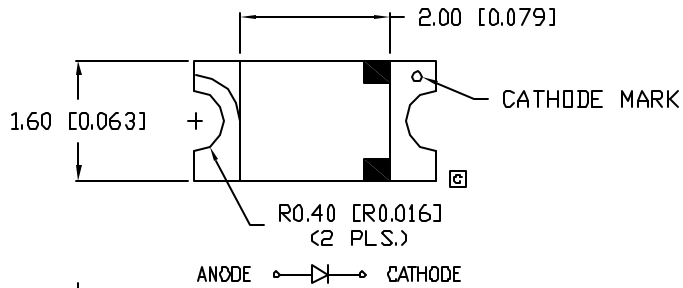
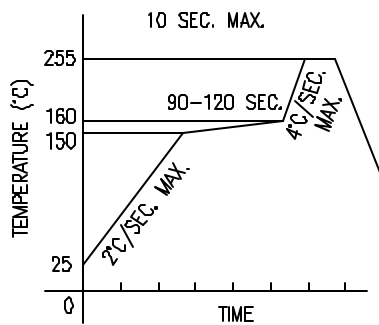


UNCONTROLLED DOCUMENT

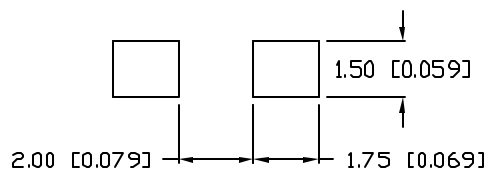


**LEAD FREE REFLOW PROFILE**



TOTAL TIME ABOVE 220°C IS 80 SECONDS MAX.

**RECOMMENDED SOLDER PAD LAYOUT**



PART NUMBER		REV.
SML-LX1206GC-TR1		F
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10536	7.19.99
B	E.C.N. #10644. & REDRAWN IN 3D.	7.18.00
C	E.C.N. #10737.	5.15.01
D	E.C.N. #10814.	12.3.01
E	E.C.N. #10967.	3.14.03
F	E.C.N. #11148.	1.20.05

ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.2	2.6	V <sub>f</sub>	
REVERSE VOLTAGE	5.0			V <sub>r</sub>	I <sub>f</sub> =100μA
AXIAL INTENSITY		10		mcad	I <sub>f</sub> =20mA
VIEWING ANGLE		160		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	65	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-25 TO +85	°C
STORAGE TEMP.	-30 TO +85	°C

**NOTES:**

1. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
2. PARTS ARE TO BE SUPPLIED IN BLACK, ANTI-STATIC CARRIER TAPE.

**CAUTION: MOISTURE SENSITIVE DEVICE**  
PER JEDEC LEVEL 4 STANDARDS

UNCONTROLLED DOCUMENT

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±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

REV.	PART NUMBER
F	SML-LX1206GC-TR1

3.2mm x 1.6mm PCB SURFACE MOUNT LED,  
565nm GREEN LED,  
WATER CLEAR LENS, TAPE AND REEL

**CONFIDENTIAL INFORMATION**  
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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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BC			PAGE: 1 OF 1
			SCALE: N/A