

SML-LXFT1206VC-TR

PRELIMINARY IN P/N DIR.

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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH					nm	
FORWARD VOLTAGE	V _f		3.3	3.8	V	I _f =20mA
REVERSE VOLTAGE	V _r	5			V	I _r =10μA
AXIAL INTENSITY	I _v	50	100		Mcd	I _f =20MA
CHROMATICITY	X		0.20			
COORDINATES(*)	Y		0.10			I _f =20 mA
VIEWING ANGLE			120		2x theta	
EMITTED COLOR:	PURPLE					
EPOXY LENS FINISH:	ORANGE FLUORESCENT					
* THE ICI STANDARD COLORIMETRIC SYSTEM.						

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT	I_p	100*	mA
STEADY CURRENT	I_F	30	mA
POWER DISSIPATION	P_D	114	mW
OPERATING TEMP.	T_{OPR}	-40 TO +85	$^\circ\text{C}$
STORAGE TEMP.	T_{STG}	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX	

*DUTY 1/10 PULSE WIDTH 10ms

NOTES:

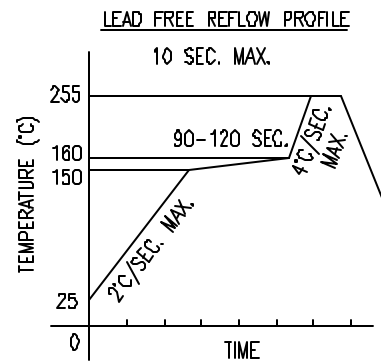
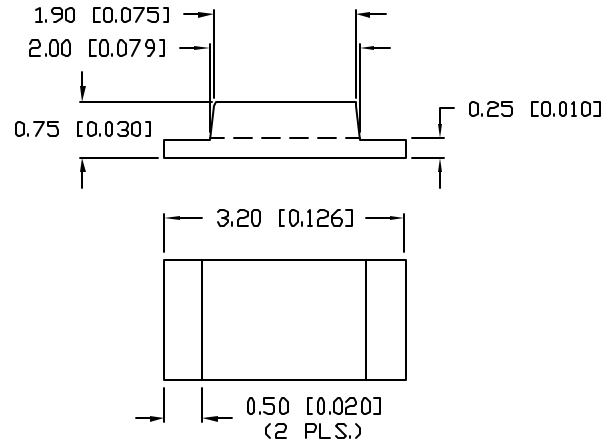
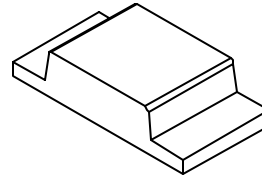
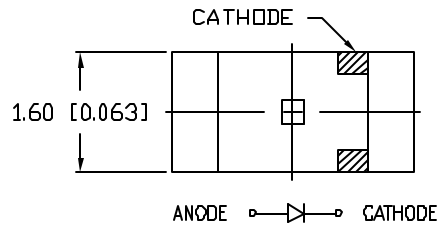
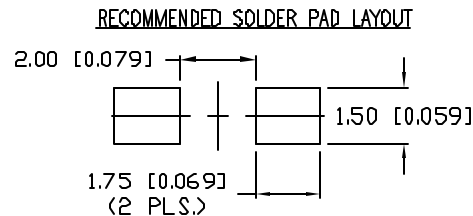
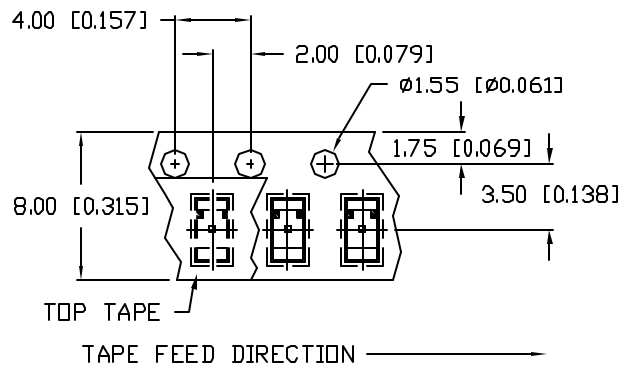
1. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

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

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 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/-0.00, MAX.=+0.00/-0.00

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

REV.

PART NUMBER

SML-LXFT1206VC-TR

3.2mm x 1.6mm ULTRA THIN SURFACE MOUNT LED,
PURPLE LED,
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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SCALE: N/A