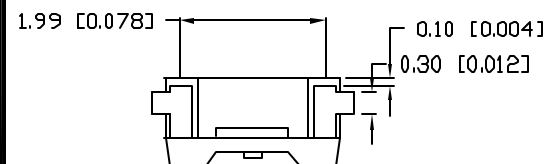
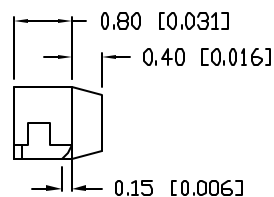
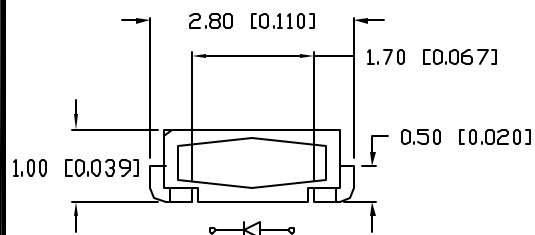


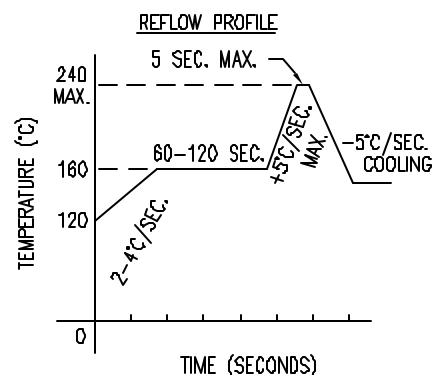
UNCONTROLLED DOCUMENT

PART NUMBER
SML-LXR281UWC-TR

REV.



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

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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			-		nm	
FORWARD VOLTAGE	V_f		3.5	4.0	V	$I_f=20\text{mA}$
REVERSE VOLTAGE	V_r	5			V	$I_r=10\mu\text{A}$
AXIAL INTENSITY(*1)	I_v		700		med	$I_f=20\text{mA}$
CHROMATICITY	X		0.30			
COORDINATES(*2)	Y		0.29			
VIEWING ANGLE			90		2x theta	

EMITTED COLOR: WHITE

EPOXY LENS FINISH: WATER CLEAR

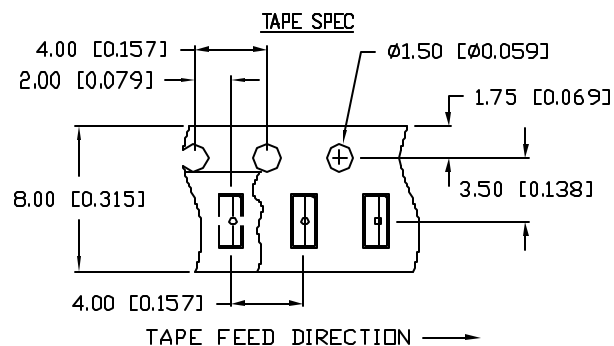
*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.

*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

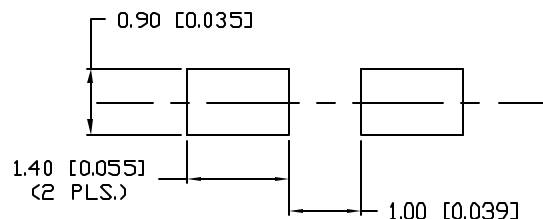
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT	I_p	80	mA
STEADY CURRENT	I_F	25	mA
POWER DISSIPATION	P_D	105	mW
OPERATING TEMP.	T_{OPR}	-25 TO +85	$^\circ\text{C}$
STORAGE TEMP.	T_{STG}	-30 TO +100	$^\circ\text{C}$

*DUTY 1/10 PULSE WIDTH 10ms



RECOMMENDED SOLDER PAD LAYOUT



NOTES:

- 2000 PCS/REEL
- THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

*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.= -DECIMAL PRECISION

REV.

PART NUMBER

SML-LXR281UWC-TR

2.8mm x 1.0mm SMT LED, WHITE LED,
RIGHT ANGLE MOUNT.

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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DATE: 2.2.05

PAGE: 1 OF 1

SCALE: N/A

JD