

UNCONTROLLED DOCUMENT

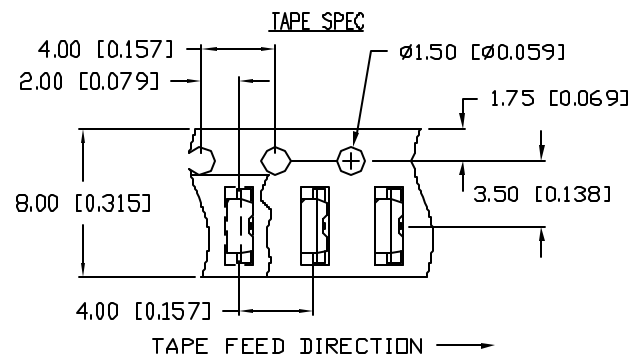
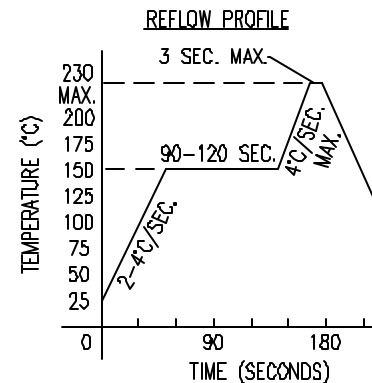
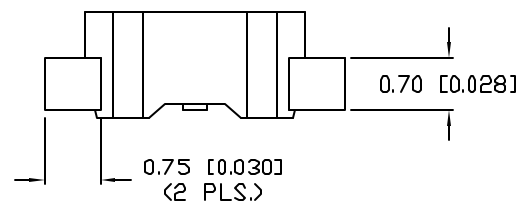
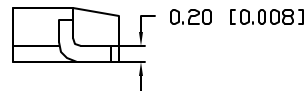
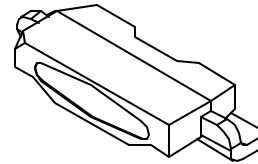
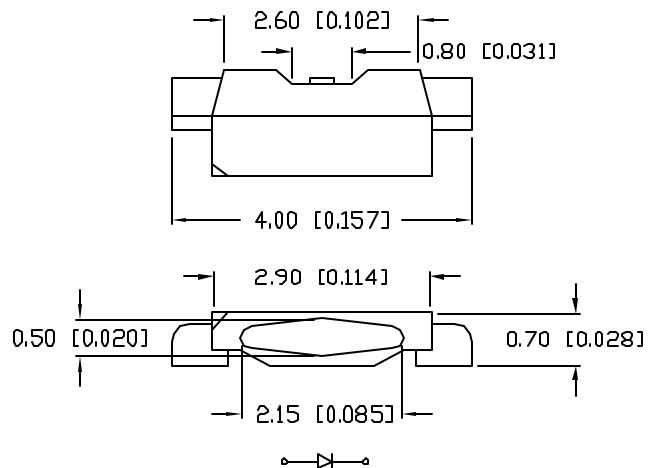
SC:0.10

PART NUMBER

REV.

SML-LXRA073UWC-TR

PRELIMINARY IN P/N DIR



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
FORWARD VOLTAGE	V_f	3.4		3.7	V	$I_f=20\text{mA}$
REVERSE VOLTAGE	V_r	5			V	$I_r=100\mu\text{A}$
AXIAL INTENSITY(*1)	I_v	400		700	mcad	$I_f=20\text{mA}$
VIEWING ANGLE			120		$2\times\theta_{\text{theta}}$	
EMITTED COLOR:		WHITE				
EPOXY LENS FINISH:		YELLOW DIFFUSED				

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

*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

*COLOR RANK

(If=20mA, $T_a=25^\circ\text{C}$)

	RANK B			
X	0.272	0.280	0.296	0.287
Y	0.258	0.248	0.276	0.295

	RANK E			
X	0.296	0.311	0.307	0.287
Y	0.276	0.294	0.315	0.295

	RANK F			
X	0.311	0.330	0.330	0.307
Y	0.294	0.318	0.339	0.315

	RANK H			
X	0.330	0.356	0.358	0.330
Y	0.318	0.351	0.368	0.339

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	120	mW
OPERATING TEMP.	T_{OPR}	-30 TO +85	$^\circ\text{C}$
STORAGE TEMP.	T_{STG}	-40 TO +85	$^\circ\text{C}$

*DUTY 1/10 PULSE WIDTH 10ms

NOTES:

- 3500 PCS/REEL.
- THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), 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 MAX= +0.00 -0.00 -DECIMAL PRECISION

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0.7 x 3mm SMT RIGHT ANGLE MOUNT,
WHITE LED.

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

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