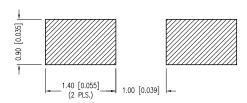


RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL	CHARACTERISTICS Ta=25	*C If=20mA			
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		650		nm	
FORWARD VOLTAGE		1.90	2.50	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100µA
AXIAL INTENSITY		350		mcd	If=20mA
VIEWING ANGLE		110		2x theta	
EMITTED COLOR:	RED				
LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	185	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	75	mW
DERATE FROM 25°C	-1.2	mW/*C
OPERATING TEMP.	-40 TO +85	•c
STORAGE TEMP.	-40 TO +85	•c

CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 3 STANDARDS

*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= $^{+DECIMAL}_{-0.00}$ PRECISION MAX.= $^{+0.00}_{-0.00}$ MIN= $^{+0.00}_{-0.00}$ 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= $^{+DECIMAL}_{-0.00}$ PRECISION MAX.= $^{+0.00}_{-0.00}$ PRECISION MA UNCONTROLLED DOCUMENT



290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538 WEB: WWW.LUMEX.COM MEMBER OF ITW PHOTONICS GROUP 2.8 x 0.8 SMD RIGHT ANGLE LED, 650nm SUPER RED, WATER CLEAR LENS, TAPE & REEL.

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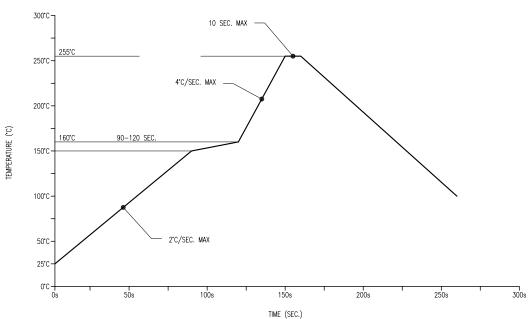
DATE: 02.22.12 DRAWN BY: AΒ 1 OF 2 PAGE: CHKD BY: KF SCALE: NTS APRVD BY: KF (Pb) UNIT: mm [INCH]

PART NUMBER

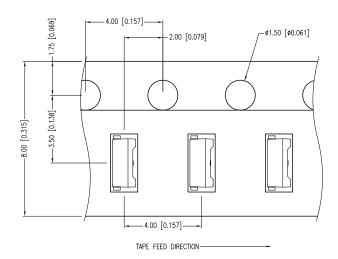
SML-LXR2808SIC-TR

REV.





TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



NOTES:

- 1. 2,000 PCS/REEL
- 2. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE

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DATE: 02.22.12 DRAWN BY: AΒ PAGE: 2 OF 2 CHKD BY: KF SCALE: NTS APRVD BY: KF (Pb) UNIT: mm [INCH]

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