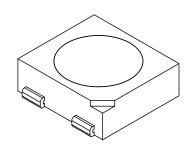
PART NUMBER

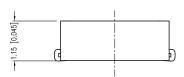
SML-LX3535MWC-TR

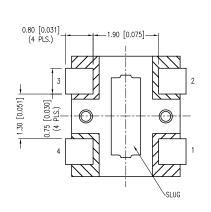
REV.

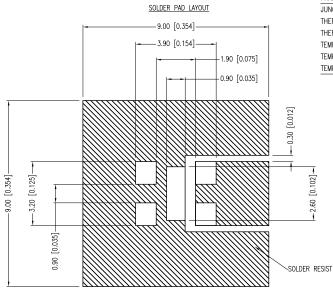
-3.50 [0.138]-3.15 [0.124] POLARITY MARK [0.138] ∽ø2.60 [ø0.102]

3,4001,2









ELECTRO-OPTICAL	CHARACTERISTICS	Ta=25*C	If=150mA			
PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			-		nm	
FORWARD VOLTAGE	Vf	2.7	3.5	4.0	٧	lf=150mA
REVERSE VOTLAGE	Vr	5.0			٧	Ir=10uA
LUMINOUS FLUX	LM	24	32		lm	If=150mA
COLOR TEMP.			3000		K	
AXIAL INTENSITY	lv	7	9		cd	If=150mA
VIEWING ANGLE			120		2x theta	
EMITTED COLOR:	WARM WHITE					
LENS FINISH:	WATER CLEAR	SILICONE	RESIN			

LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	300	mA
STEADY CURRENT	150	mA
POWER DISSIPATION	600	mW
DERATE FROM 25°C	-1.2	mW/*C
OPERATING TEMP.	-40 TO +85	•C
STORAGE TEMP.	-40 TO +85	*C
*1. 1/8 DUTY@1KHz.		

THERMAL PARAMETERS			
PARAMETER	TYP	MAX	UNITS
JUNCTION TEMPERATURE		110	•c
THERMAL RESISTANCE (JUNCTION/SOLDER)		85	·c/w
THERMAL RESISTANCE (JUNCTION/AMBIENT)		180	°C/W
TEMPERATURE COEFFICIENT OF VF	-3.1		mV/*C
TEMPERATURE COEFFICIENT OF X	-0.15		10 ⁻³ /*C
TEMPERATURE COEFFICIENT OF Y	-0.22		10 ⁻³ /*C

CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 2a STANDARDS

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

*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 PRECISION MAX.= +0.00 (±0.002), X.XX=±0.127 (±0.005).

3.5mm x 3.5mm 0.5W SURFACE MOUNT LED, WARM WHITE, TAPE AND REEL.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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UNCONTROLLED DOCUMENT DATE: 03.12.14 DRAWN BY: MA PAGE: 1 OF 2 CHKD BY: KF SCALE: NTS APRVD BY: KF UNIT: mm [INCH] (Pb)



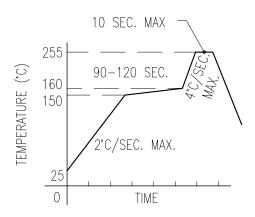
425 N. GARY AVE. CAROL STREAM, IL 60188-4900 PHONE: +1.800.278.5666 FAX: +1.630.315.2152 WEB: WWW.LUMEX.COM

PART NUMBER

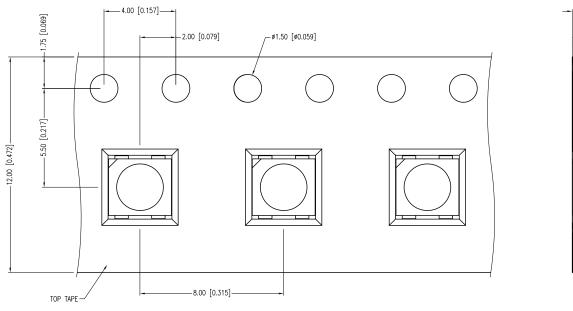
SML-LX3535MWC-TR

REV.

LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



---0.25 [0.010] -1.42 [0.056]

TAPE FEED DIRECTION-

*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 PRECISION MAX.= +0.00 (±0.001), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX.= +0.00 (±0.001), X.XX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX.= +0.00 (±0.001), X.XX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.001), X.XX=±0.05 (±0.001



425 N. GARY AVE. CAROL STREAM, IL 60188-4900 PHONE: +1.800.278.5666 FAX: +1.630.315.2152 WEB: WWW.LUMEX.COM MEMBER OF ITW PHOTONICS GROUP 3.5mm x 3.5mm 0.5W SURFACE MOUNT LED, WARM WHITE, TAPE AND REEL

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UNCONTROLLED DOCUMENT					MEN/	
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	PAGE:	2	OF	2	CHKD BY:	KF

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