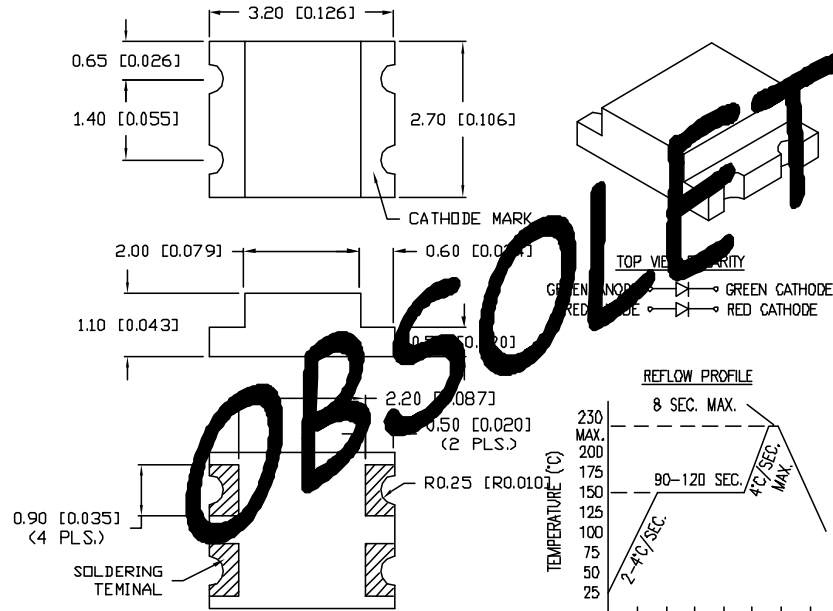


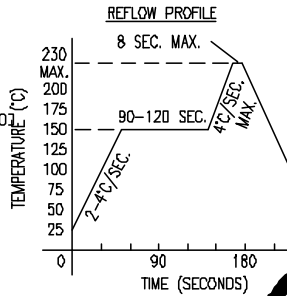
UNCONTROLLED DOCUMENT

PART NUMBER  
SML-LX1210IGW-TR

REV.



OBSOLETE



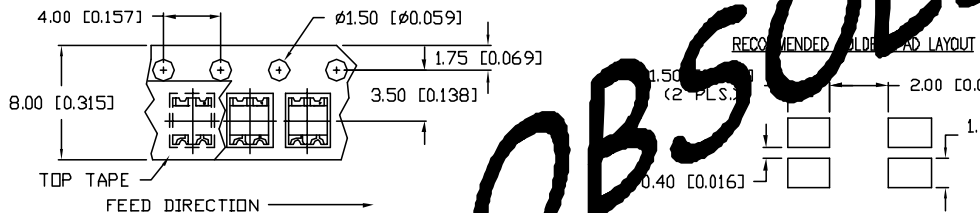
ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
		565 (GREEN)		nm	
FORWARD VOLTAGE (R/G)		2.0/2.2	2.6	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY		10		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		160		$2 \times \text{theta}$	
EMITTED COLOR:	RED/GREEN				
EPOXY LENS FINISH:	WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$

PARAMETER	MIN	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT		25	mA
POWER DISSIPATION		65	mW
DERATE AT $25^\circ\text{C}$		-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-25 TO +85		$^\circ\text{C}$
STORAGE TEMP.	-30 TO +85		$^\circ\text{C}$

\*  $t < 1000$  HRS



- NOTES:
- 2,000 PIECES PER REEL.
  - THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE FOR ALL COLORS.

UNCONTROLLED DOCUMENT

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: .XX=±0.05 (±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=+0.00 (DECIMAL PRECISION) MAX=+0.00 (DECIMAL PRECISION)

REV. PART NUMBER  
SML-LX1210IGW-TR

CONFIDENTIAL INFORMATION  
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.



290 E. HELLEN ROAD  
PALATINE, ILLINOIS 60067  
PHONE: (847) 359-2790  
WEB: <http://www.lumex.com>

2.7mm x 3.2mm P.C.B. SURFACE MOUNT LED, DUAL RED/GREEN CHIPS, WHITE DIFFUSED, TAPE AND REEL, 2,000 PIECES PER REEL.

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.

DRAWN BY: ss/bc  
CHECKED BY:  
APPROVED BY:

DATE: 9.7.00  
PAGE: 1 OF 1  
SCALE: N/A