

DATE

REVISIONS

REV

DRAWING NUMBER  
SSL-LX5579IGW

REV

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) 565 (GREEN)		nm	
FORWARD VOLTAGE (R/G)		2.1	2.5	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r = 100\mu\text{A}$
AXIAL INTENSITY (R/G)		10		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		110		2x theta	
EMITTED COLOR	RED/GREEN				
EPOXY LENS FINISH	MILKY WHITE DIFFUSED				

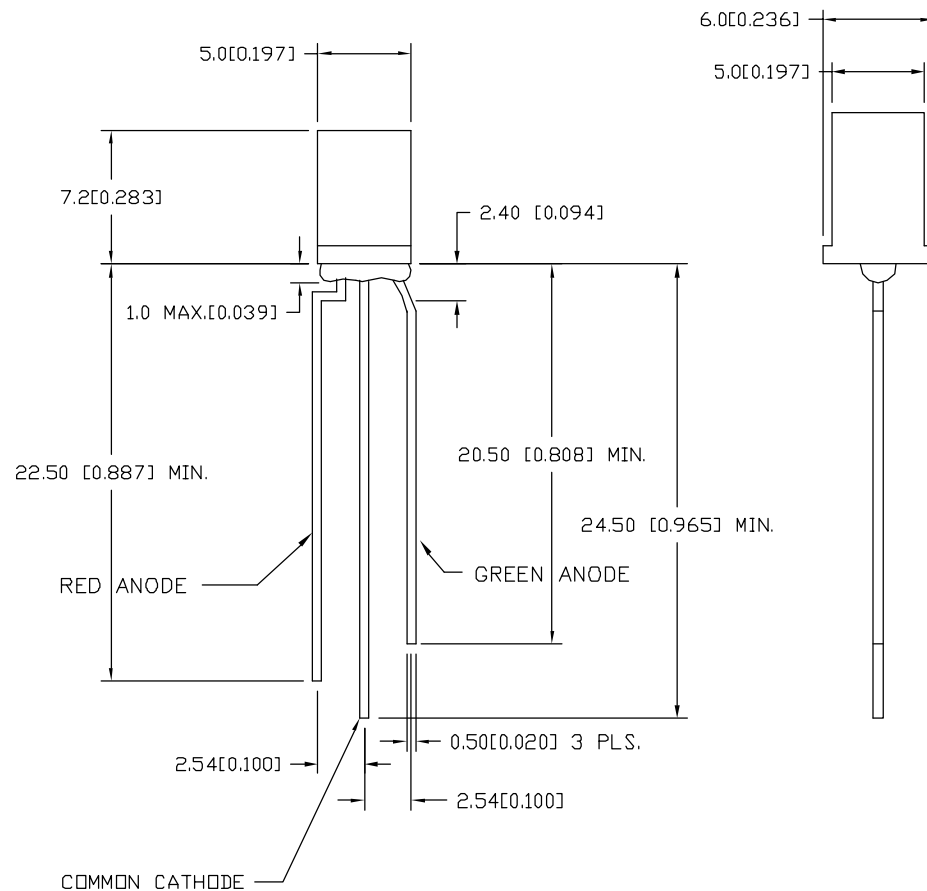
LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$ 

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*(R/G)	150	mA
STEADY CURRENT (R/G)	30/25	mA
POWER DISSIPATION (R/G)	105	mW
DERATE FROM $25^\circ\text{C}$	-1.1	$\text{mW}/^\circ\text{C}$
OPERATING, STORAGE TEMP	-40 TO +85	$^\circ\text{C}$
LEAD SOLDERING TEMP	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

\*  $t < 10\mu\text{s}$ 

## 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.

UNLESS OTHERWISE SPECIFIED TOLERANCE IS  $\pm 0.25\text{mm}$  ( $\pm 0.010''$ )

**LUMEX**  
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## CONFIDENTIAL INFORMATION

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DATE: 2-13-97	DWN:	CHK'D:	APPD:
SCALE: N/A			

5 x 5mm SQUARE LED, BICOLOR RED/GREEN  
MILKY WHITE DIFFUSED

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