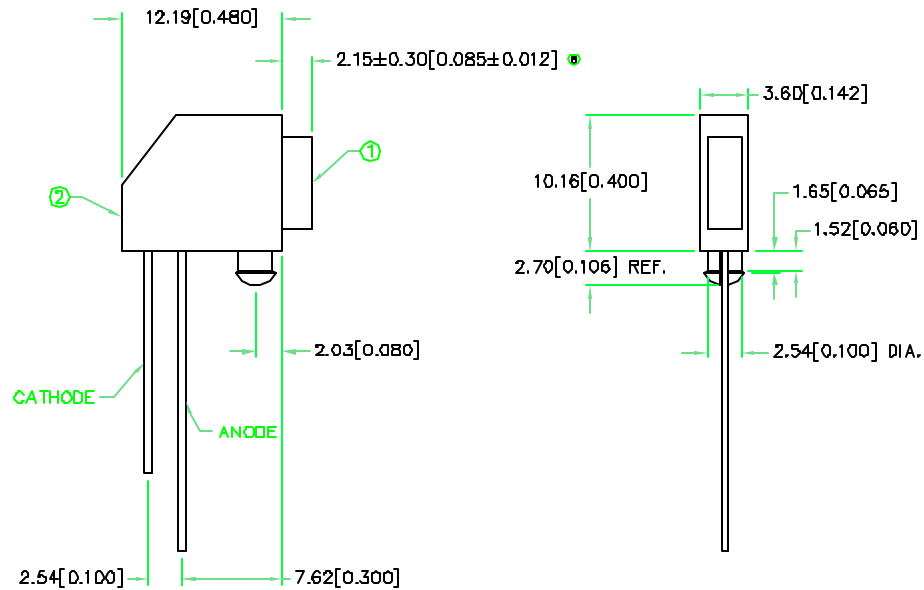


DATE	REVISIONS	REV
2-18-93	REDRAWN./	A
11-3-97	E.C.N. #10BRDR. & #10394./	B

DRAWING NUMBER	REV
SSF-LXH25780SRD	B



**NOTES:**

1. SSL-LX25783SRD LED.
2. SSH-LXH2578D HOLDER, BLACK.

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

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (RED)		nm	
FORWARD VOLTAGE		1.7	2.2	$V_f$	
REVERSE VOLTAGE	4.0			$V_r$	$I_f = 100\mu\text{A}$
AXIAL INTENSITY		50		mcad	$I_f = 20\text{mA}$
VIEWING ANGLE		110		$2x$ theta	
EMITTED COLOR:	SUPER RED				
EPOXY LENS FINISH:	RED DIFFUSED				

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

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM $25^\circ\text{C}$	-1.2	$\text{mW}/^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
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.

<b>LUMEX</b> INCORPORATED		290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 (847) 359-279D	
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DATE:	2-17-93	DWN:	CHK'D:
SCALE:	N/A		APPD:
2.5mm x 7mm RECTANGULAR, RIGHT ANGLE LED, SUPER RED DIFFUSED.			
PAGE	1 OF 1	DRAWING NUMBER	REV
		SSF-LXH25780SRD	B

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