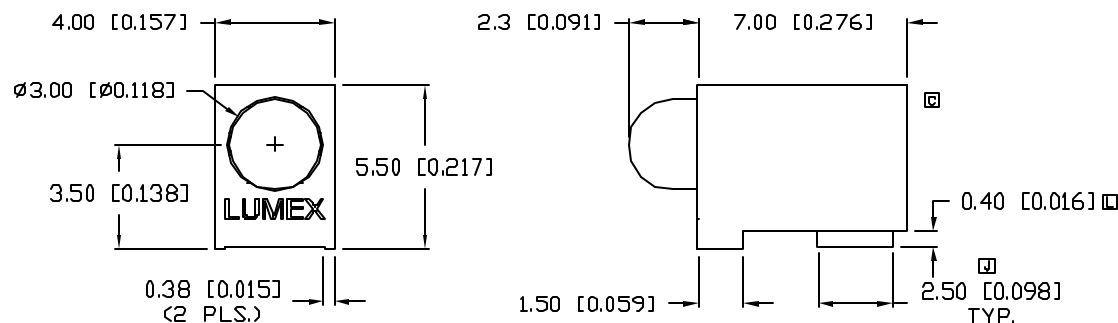
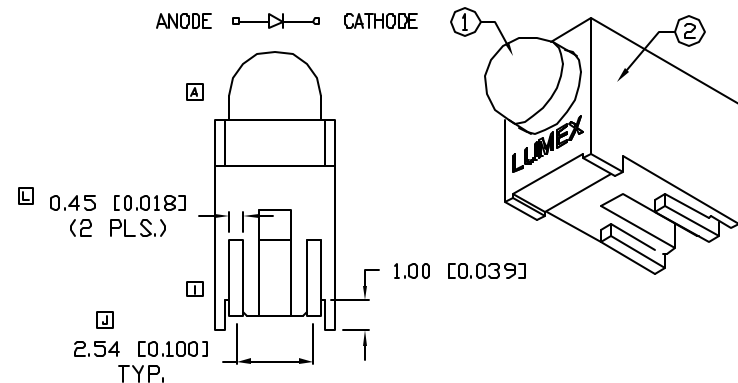


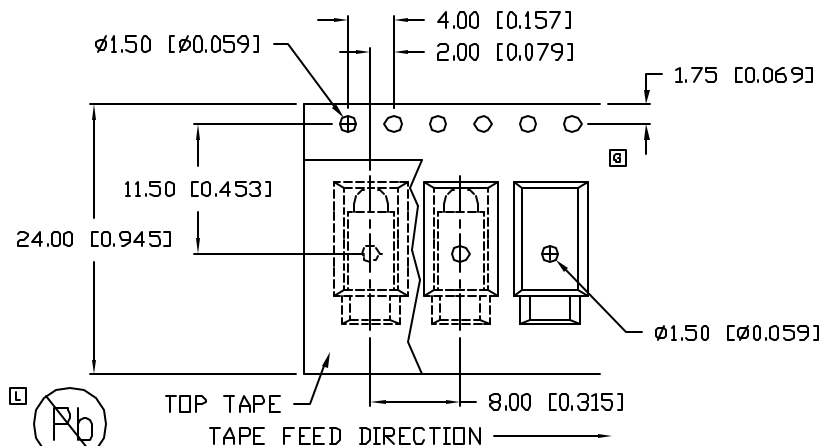
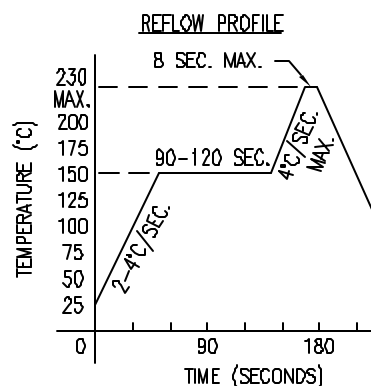
# UNCONTROLLED DOCUMENT



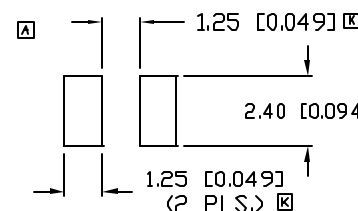
ANODE CATHODE



PATENT PENDING



## RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		2.0	2.5	$V_f$	
REVERSE VOLTAGE	5.0			$V_R$	$I_R=100\mu\text{A}$
AXIAL INTENSITY		40		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	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	105			mW	
DERATE FROM $25^{\circ}\text{C}$	- 1.6			mW/ $^{\circ}\text{C}$	
OPERATING, STORAGE TEMP.	- 40 TO + 85			$^{\circ}\text{C}$	
SOLDERING TEMP.	+ 230			$^{\circ}\text{C}$	
				3 SEC. MAX	

- \*  $t < 10\mu\text{s}$  NOTES:   
 1. SSL-LXH305F6ID, RED LED. 4. CARRIER TAPE #LXP-CARRIER24-56.  
 2. SSH-LXH305, BLACK HOLDER.  
 3. -TR SUFFIX TO DESIGNATE TAPE AND REEL SUPPLIED.

# UNCONTROLLED DOCUMENT

\* UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±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.=+DECIMAL PRECISION -0.00, MAX.=+0.00 -DECIMAL PRECISION

REV.	PART NUMBER
L	SSF-LXH305ID(-TR)

T-3mm (T-1) RIGHT ANGLE SURFACE MOUNT LED,  
 635nm RED LED,  
 RED DIFFUSED LENS, TAPE AND REEL

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**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.

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