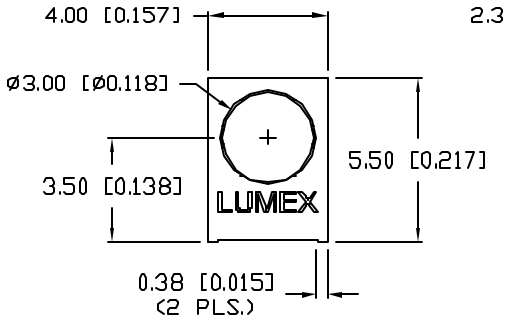
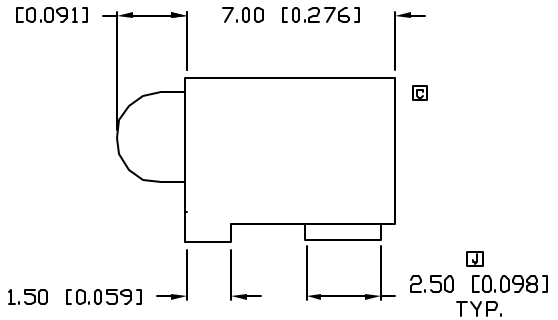
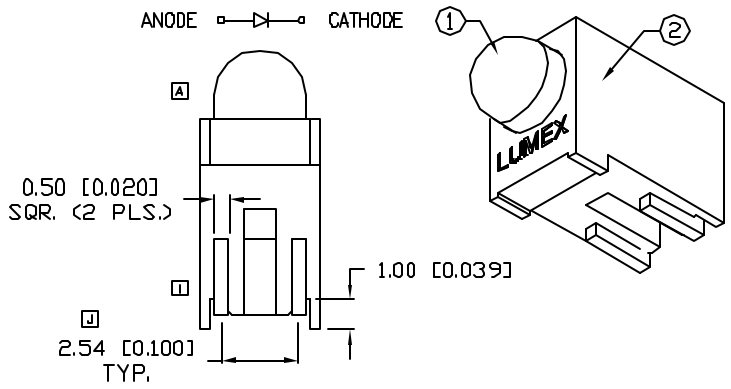
UNCONTROLLED DOCUMENT

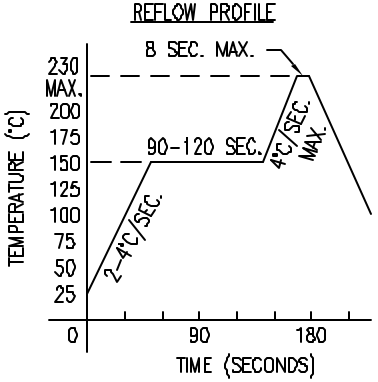


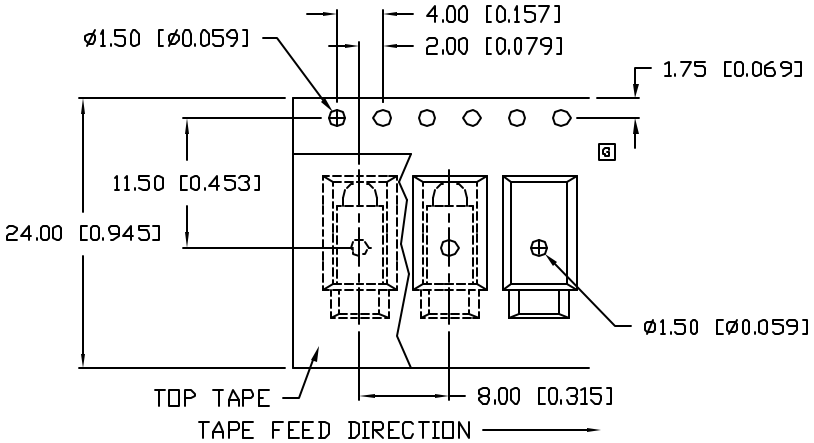


PATENT PENDING

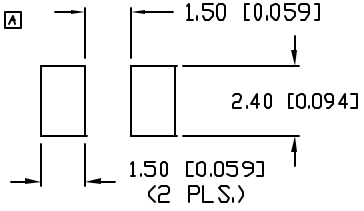


REFLOW PROFILE





RECOMMENDED SOLDER PAD LAYOUT



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

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	ADDED SOLDER PROFILE.	5.13.94
B	UPDATED SAFE OPER SPECS.	9.12.94
C	UPDATED SAFE OPER SPECS.	11.16.94
D	CORRECTED PROTRUSION	3.13.95
E	ADDED TAPE AND REEL OPTION.	7.5.95
F	E.C.N. #10BRDR. & REDRAWN.	10.15.97
G	E.C.N. #10625.	5.22.00
H	E.C.N. #10683.	11.30.00
I	E.C.N. #10782.	11.6.01
J	E.C.N. #10855	4.22.02

ELECTRO-OPTICAL CHARACTERISTICS T_A=25°C I_f=20mA

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=100µA
AXIAL INTENSITY		40		mcd	I_f=20mA
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.6	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+230	°C
		3 SEC. MAX

* t<10µS

NOTES:
1. SSL-LX305F4ID, RED LED.
2. SSH-LXH305, BLACK HOLDER.
3. -TR SUFFIX TO DESIGNATE TAPE AND REEL SUPPLIED.
D D 4. CARRIER TAPE #LXP-CARRIER24-56.

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*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 -0.00 MAX.=+0.00 -DECIMAL PRECISION

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

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

CONFIDENTIAL INFORMATION
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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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BC			PAGE: 1 OF 1
			SCALE: N/A