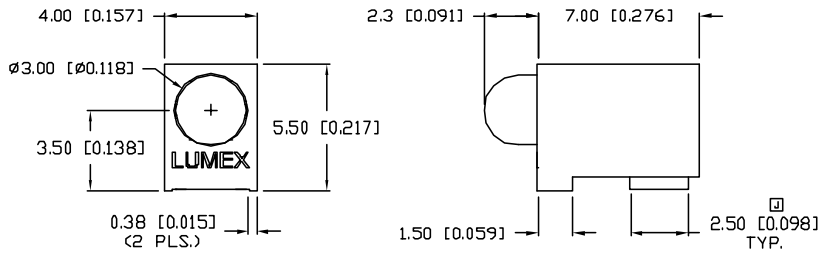
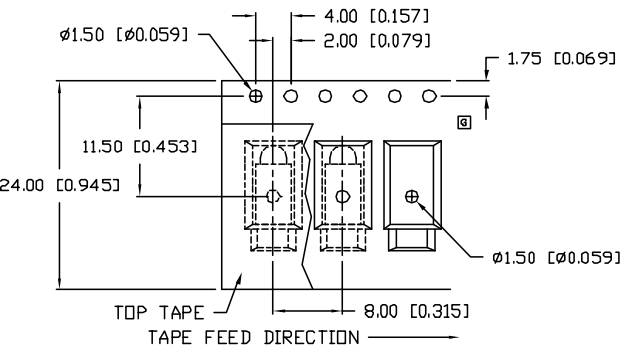
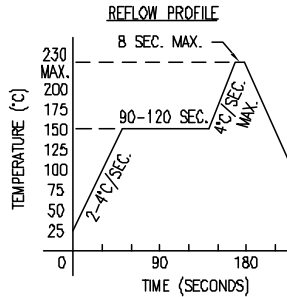
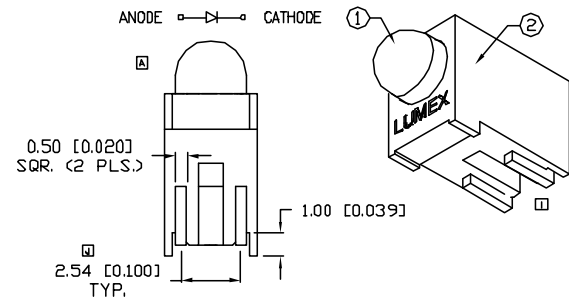


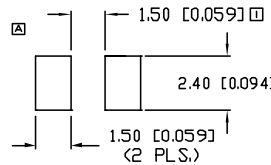
UNCONTROLLED DOCUMENT



PATENT PENDING



RECOMMENDED SOLDER PAD LAYOUT



*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= -0.000, MAX.= +0.000 DECIMAL PRECISION

PART NUMBER		REV.
SSF-LXH305GD(-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.	9.4.01
J	E.C.N. #10855	4.22.02

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.2	2.6	V _f	
REVERSE VOLTAGE	5.0			V _r	I _f =100µA
AXIAL INTENSITY		30		mcd	I _f =20mA
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	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

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

NOTES:

1. SSL-LX305F4GD, GREEN LED.
2. SSH-LXH305, BLACK HOLDER.
3. -TR SUFFIX TO DESIGNATE TAPE AND REEL SUPPLIED.
4. CARRIER TAPE #LXP-CARRIER24-56.

UNCONTROLLED DOCUMENT

REV. J	PART NUMBER SSF-LXH305GD(-TR)
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290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

T-3mm (T-1) RIGHT ANGLE SURFACE MOUNT LED,
565nm GREEN LED,
GREEN DIFFUSED LENS, TAPE AND 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: BC	CHECKED BY:	APPROVED BY:	DATE: 3.3.94
			PAGE: 1 OF 1
			SCALE: N/A