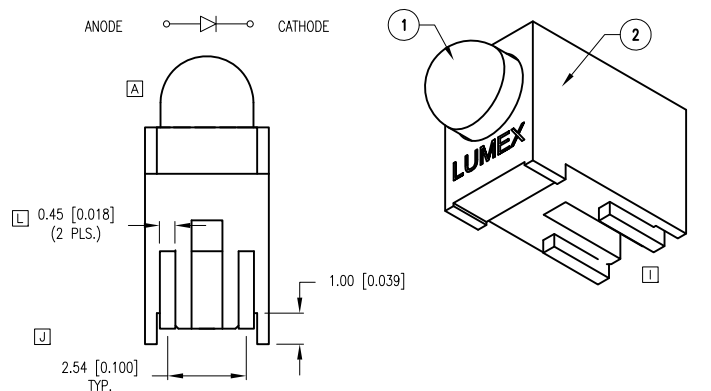
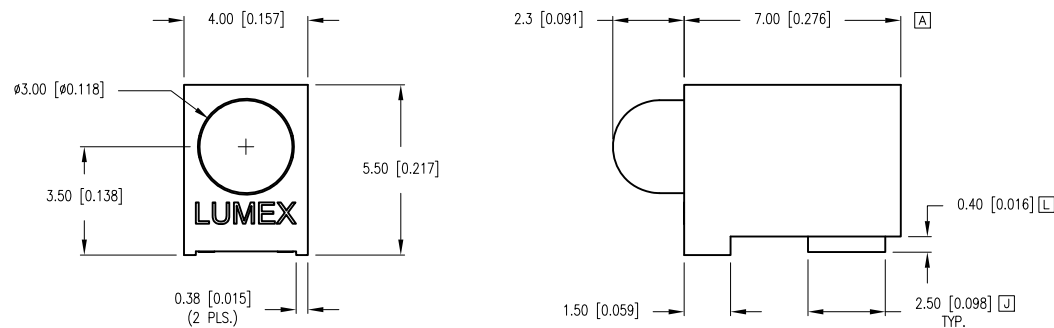
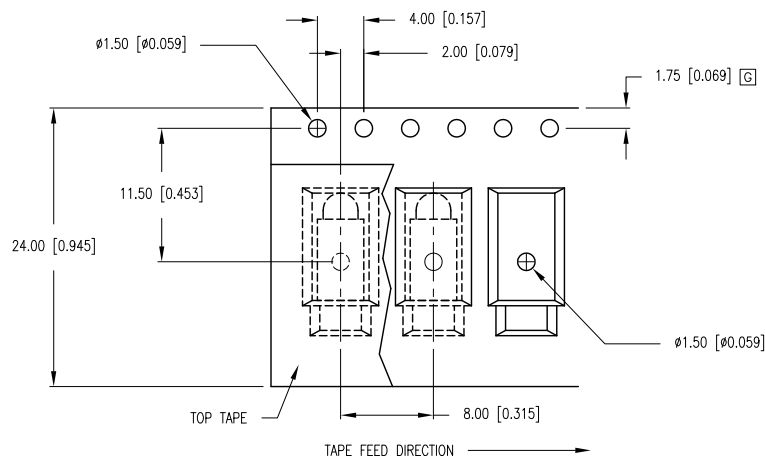
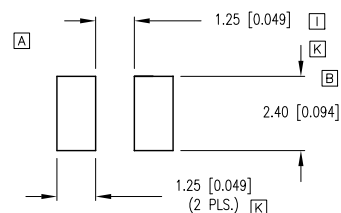




PATENT PENDING



RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER	SSF-LXH305GD(-TR)	REV.	M
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
05.13.94	ADDED SOLDER PROFILE.		A
09.12.94	UPDATED SAFE OPER. SPECS.		B
11.16.94	UPDATED SAFE OPER. SPECS.		C
03.13.95	CORRECTED PROTRUSION		D
07.05.95	ADDED TAPE AND REEL OPTION.		E
10.15.97	E.C.N. #10BRDR. & REDRAWN.		F
05.22.00	E.C.N. #10625.		G
11.30.00	E.C.N. #10683.		H
09.04.01	E.C.N. #10782.		I
04.22.02	E.C.N. #10855		J
05.15.02	E.C.N. #10864.		K
02.20.06	E.C.N. #11311. & 11148.		L
04.18.11	E.C.N. #10BRDR. & REDRAWN.		M

ELECTRO-OPTICAL CHARACTERISTICS TA =25°C If=20mA

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

LIMITS OF SAFE OPERATION AT 25°C

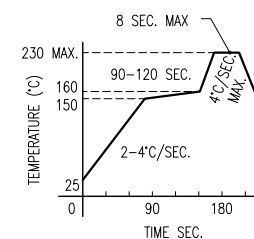
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.6	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+230	°C
2.0mm FROM BODY	3	SEC. MAX.

* t<10µs

NOTES:

1. SSL-LX305F6GD, GREEN LED.
2. SSH-LXH305, BLACK HOLDER.
3. -TR SUFFIX TO DESIGNATE TAPE AND REEL SUPPLIED.
4. CARRIER TAPE #LXP-CARRIER24-56.

REFLOW PROFILE



*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 MAX.= -DECIMAL PRECISION

UNCONTROLLED DOCUMENT



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T-3mm (T-1) RIGHT ANGLE SURFACE MOUNT LED, 565nm GREEN LED, GREEN DIFFUSED LENS, TAPE & REEL.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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SCALE:	NTS	APRVD BY:	KF
UNIT:	mm [INCH]		Ⓟ

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