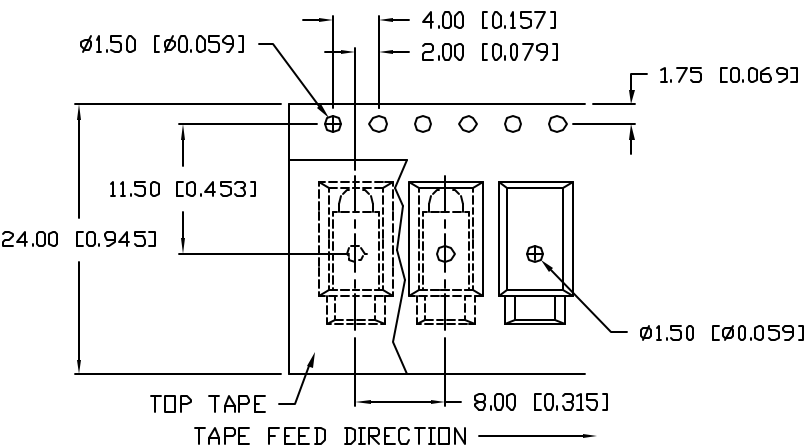
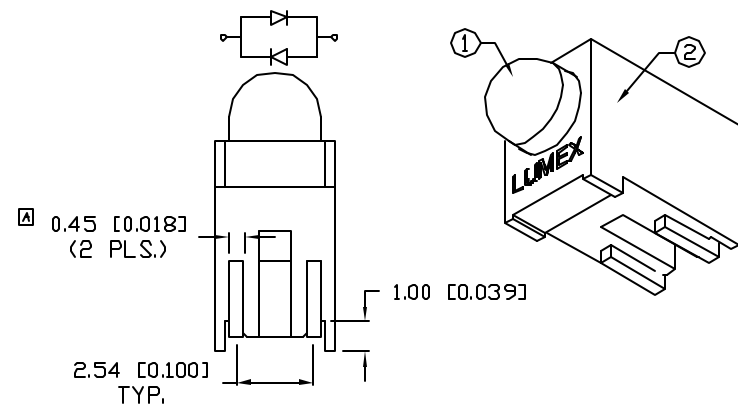
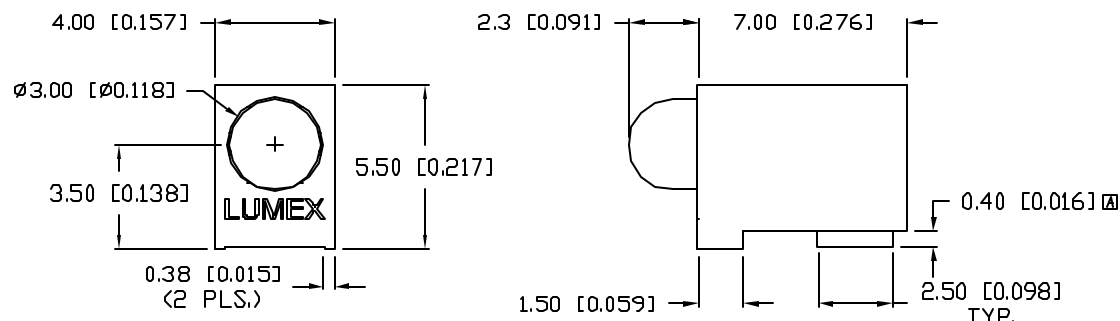


UNCONTROLLED DOCUMENT



*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).

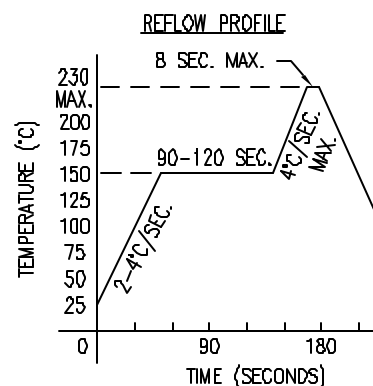
LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN.=+0.00 -0.00, MAX.=+0.00 -0.00

PART NUMBER
SSF-LXH305GGD(-TR)

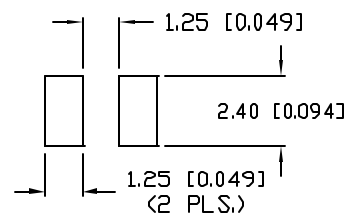
REV.
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11311. & 11148.	2.20.06

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		565		nm	
FORWARD VOLTAGE		2.2	2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		30		mod	$I_f=20\text{mA}$
VIEWING ANGLE		60		2θ	
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/ $^\circ\text{C}$
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-LX305F6GGD, GREEN LED.
2. SSH-LXH305, BLACK HOLDER.
3. -TR SUFFIX TO DESIGNATE TAPE AND REEL SUPPLIED.
4. CARRIER TAPE #LXP-CARRIER24-56.



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REV.
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PART NUMBER
SSF-LXH305GGD(-TR)

T-3mm (T-1) RIGHT ANGLE SURFACE MOUNT LED,
565nm GREEN LED, BI-POLAR,
GREEN 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.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

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