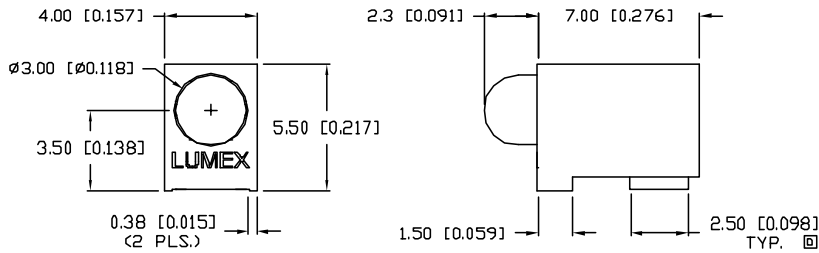
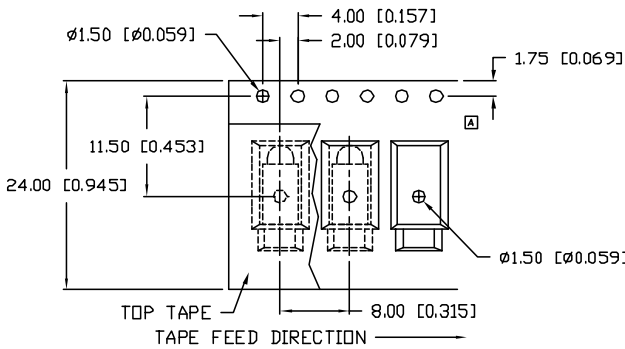
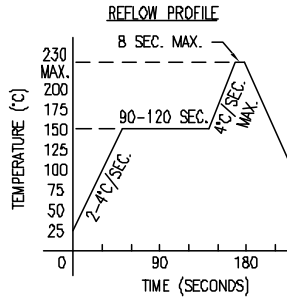
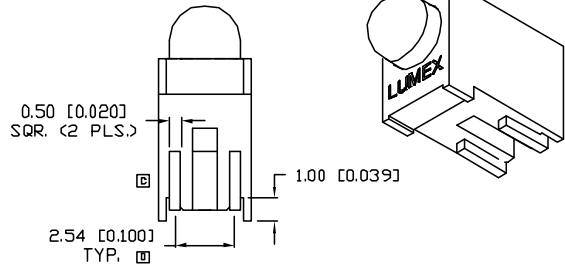


UNCONTROLLED DOCUMENT



ANODE CATHODE

PATENT PENDING



\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.025), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005).

PART NUMBER		REV.
SSF-LXH305SBC(-TR)		E
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10625.	5.22.00
B	E.C.N. #10683.	11.30.00
C	E.C.N. #10782.	1.1.6.01
D	E.C.N. #10855.	4.23.02
E	E.C.N. #10864.	5.15.02

CAUTION: STATIC SENSITIVE DEVICE  
FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART.

ELECTRO-OPTICAL CHARACTERISTICS T <sub>A</sub> =25°C I <sub>f</sub> =20mA					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		430		nm	
FORWARD VOLTAGE		4.5	5.5	V <sub>f</sub>	I <sub>f</sub> =100µA
REVERSE VOLTAGE	5.0			V <sub>r</sub>	I <sub>f</sub> =20mA
AXIAL INTENSITY		80		mcd	
VIEWING ANGLE		50		2x theta	
EMITTED COLOR:	SUPER BLUE				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	200	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-LX305F4SBC, BLUE 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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LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN= -0.000, MAX.= +0.000 DECIMAL PRECISION

REV.	PART NUMBER
E	SSF-LXH305SBC(-TR)
T-3mm (T-1) RIGHT ANGLE SURFACE MOUNT LED, 430nm SUPER BLUE LED, WATER CLEAR 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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