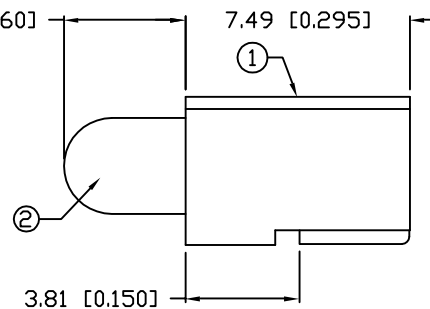
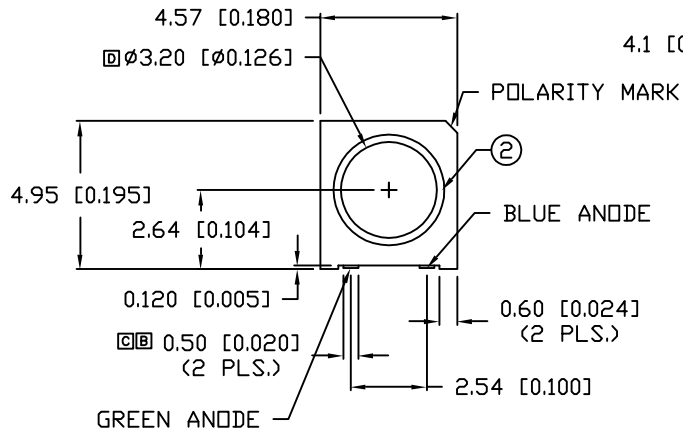
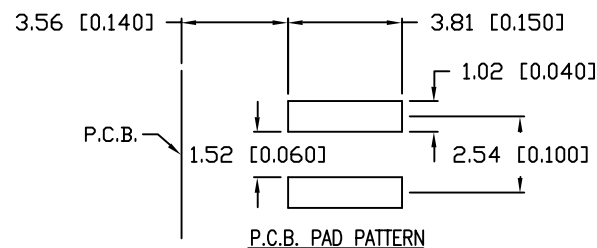
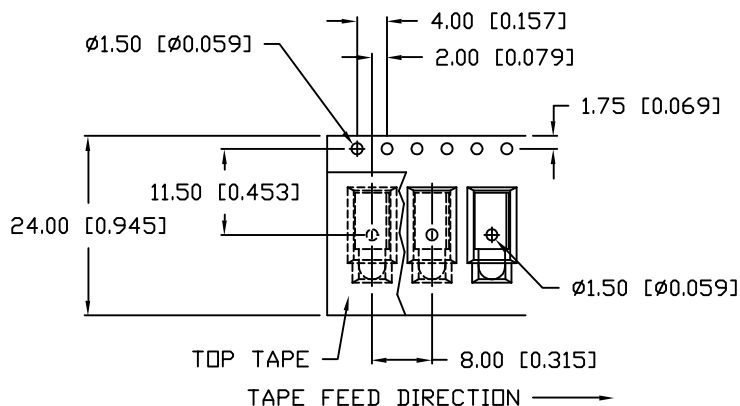
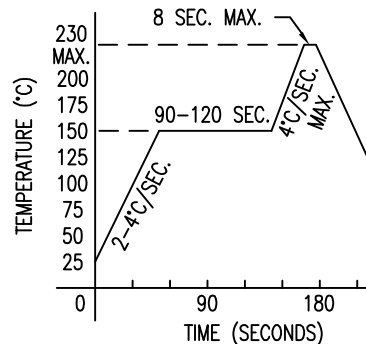


UNCONTROLLED DOCUMENT



REFLOW PROFILE

PART NUMBER
SSF-LXH306SGUSBWTR

REV.

D

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10948.	1.23.03
B	E.C.N. #11273.	9.21.05
C	E.C.N. #11288.	11.28.05
D	E.C.N. #11447.	10.1.07

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565 (GREEN)		nm	
		470 (BLUE)		nm	
FORWARD VOLTAGE (G/B)		2.2/2.0	2.6/4.0	V _f	
REVERSE VOLTAGE	5.0			V _r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (G/B)		15/70		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:		GREEN / BLUE			
EPOXY LENS FINISH:		MILKY WHITE DIFFUSED			

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(G/B)	140/100	mA
STEADY CURRENT	(G/B)	25/30	mA
POWER DISSIPATION	(G/B)	105/120	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY		3 SEC. MAX	

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

NOTES:

- SSH-LXH306 HOLDER, BLACK NYLON.
- SSL-LX308F4SGUSBW LED, 0.4x0.5mm LEAD FRAME, HIGH TEMP EPOXY.
- LXP-CARRIER24-56.
- 1,000 PCS. PER REEL.

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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 MAX.=+0.00 -DECIMAL PRECISION

REV.

D

PART NUMBER

SSF-LXH306SGUSBWTR

T-3mm LED, RIGHT ANGLE SURFACE MOUNT,
BI-COLOR 565nm SUPER GREEN/ 470nm ULTRA SUPER BLUE,
MILKY WHITE DIFFUSED.

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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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