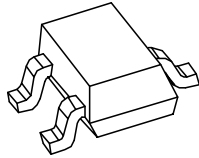
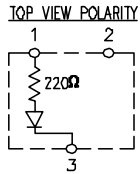
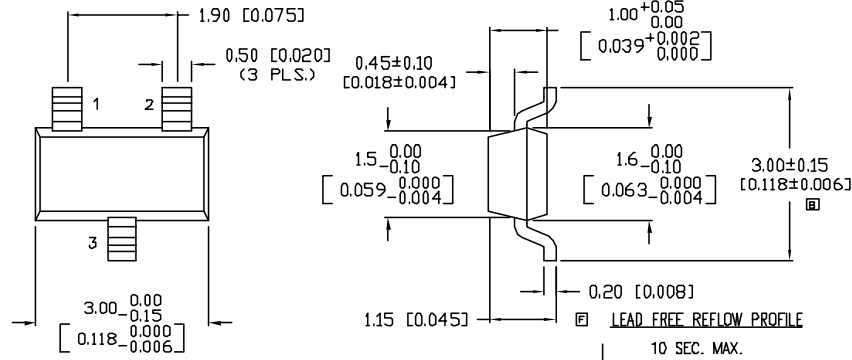
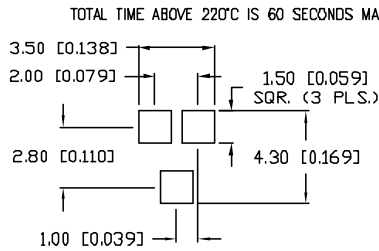
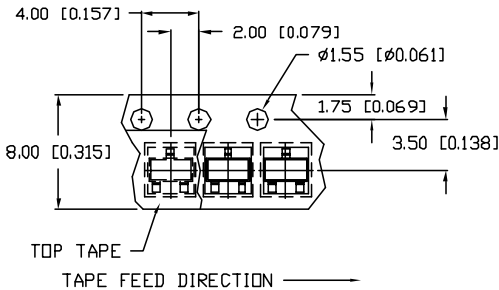
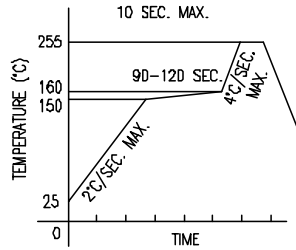


UNCONTROLLED DOCUMENT



LEAD FREE 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= -0.00 DECIMAL PRECISION MAX.= +0.00 DECIMAL PRECISION

PART NUMBER  
SSL-LX15GC-RP5V-TR

REV.  
F

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10165.	5.21.96
B	E.C.N. #10BRDR. & #10412.	4.28.98
C	E.C.N. #10752.	5.25.01
D	E.C.N. #10752.	5.25.01
E	E.C.N. #10901.	8.22.02
F	E.C.N. #11148.	2.16.05

ELECTRO-OPTICAL CHARACTERISTICS TA=25°C Vf=5 V

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		4.5	5.2	Vf	
REVERSE VOLTAGE	5.0			Vr	I <sub>f</sub> =100μA
AXIAL INTENSITY		5		mcd	V <sub>f</sub> =5 V
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-30 TO +85	°C

\* I<sub>T</sub><10μs

NOTES:

- Ⓚ 1. 3,000 PIECES PER REEL.
- Ⓚ 2. PIN 3 IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
- Ⓚ 3. LABEL MUST BE PERMANENTLY ATTACHED TO EACH REEL.



UNCONTROLLED DOCUMENT

REV. F PART NUMBER SSL-LX15GC-RP5V-TR

SOT-23 SURFACE MOUNT 565nm GREEN LED,  
WATER CLEAR LENS, 5 VOLT, TAPE AND REEL.

CONFIDENTIAL INFORMATION  
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

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

DRAWN BY: BC	CHECKED BY:	APPROVED BY:	DATE: 2.23.95
			PAGE: 1 OF 1
			SCALE: N/A