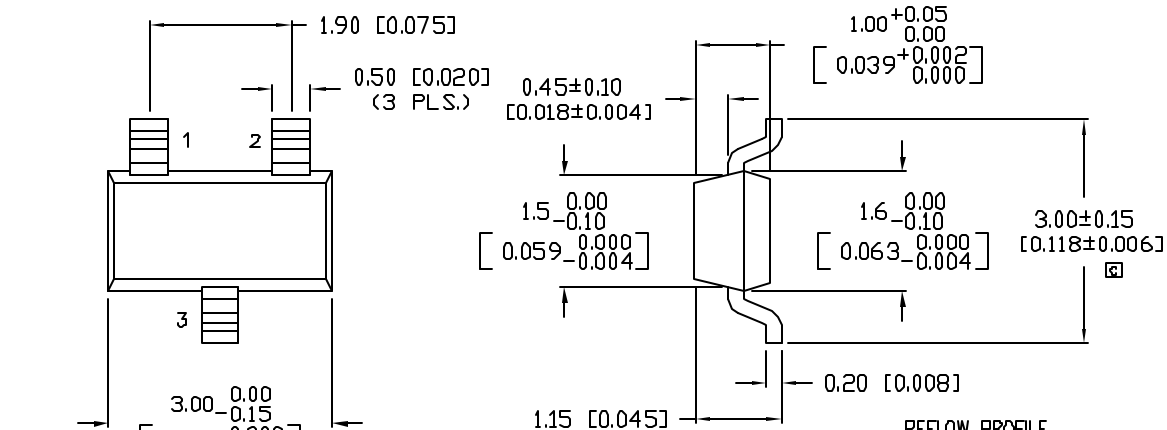
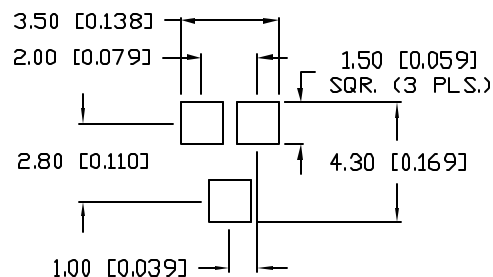
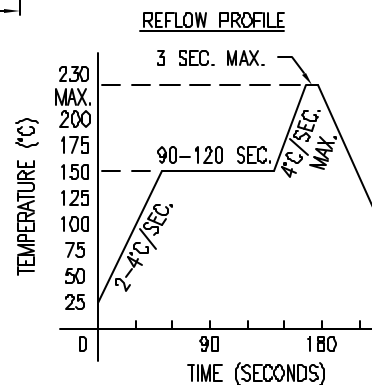
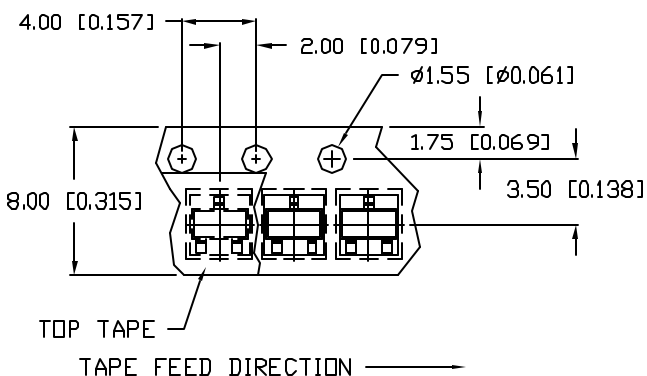
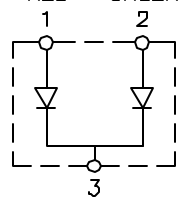


UNCONTROLLED DOCUMENT



TOP VIEW POLARITY

RED GREEN



*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= +DECIMAL PRECISION -0.00, MAX.= +0.00 -DECIMAL PRECISION

PART NUMBER
SSL-LX151GC-RP-TR

REV.

F

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	CORRECTED SOLDER SPEC.	11.6.95
B	E.C.N. #10165.	5.21.96
C	E.C.N. #10412.	4.28.98
D	E.C.N. #10BRDR. & REDRAWN.	1.15.01
E	E.C.N. #10752.	5.25.01
F	E.C.N. #10877.	6.10.02

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
		565 (GREEN)		nm	
FORWARD VOLTAGE (R/G)		2.0/2.1	2.8	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =100μA
AXIAL INTENSITY		10		mcd	I _f =20mA
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:	RED/GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

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

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

NOTES:

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

UNCONTROLLED DOCUMENT

REV.

F

PART NUMBER

SSL-LX151GC-RP-TR

SOT-23 SURFACE MOUNT 635nm RED/565nm GREEN 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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DATE: 2.23.95

PAGE: 1 OF 1

SCALE: N/A