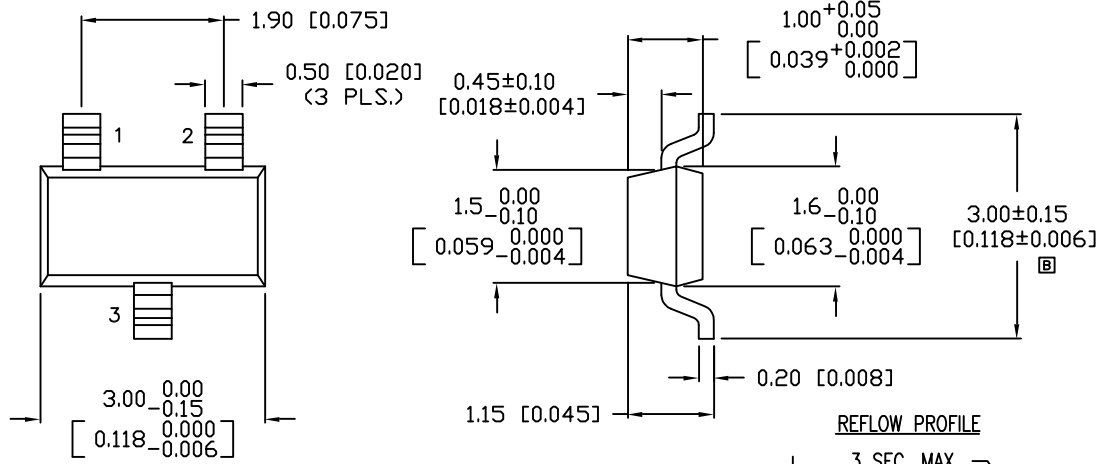


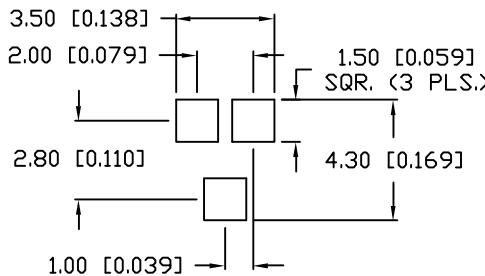
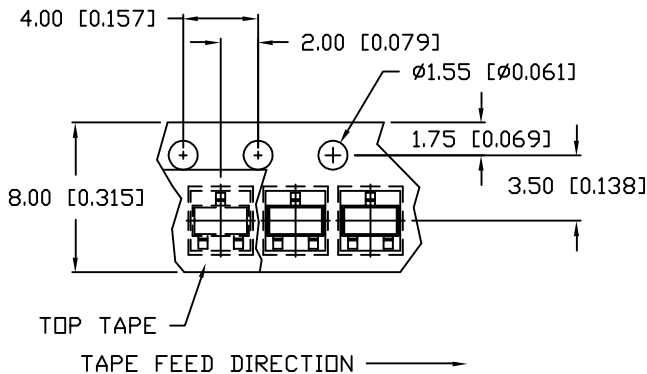
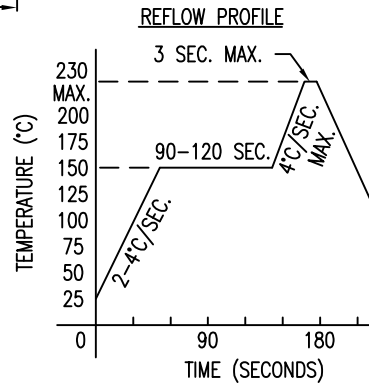
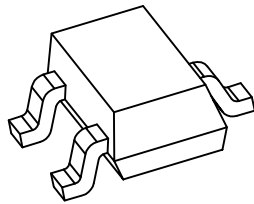
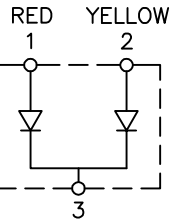
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PART NUMBER  
SSL-LX15IYC-RP-TR

REV.  
E



TOP VIEW POLARITY



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	
		585 (YELLOW)		nm	
FORWARD VOLTAGE (R/Y)		2.0/2.1	2.8	V <sub>f</sub>	
REVERSE VOLTAGE	5.0			V <sub>r</sub>	I <sub>r</sub> =100µA
AXIAL INTENSITY		10		mcd	I <sub>f</sub> =20mA
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:	RED/YELLOW				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		160	mA
STEADY CURRENT	(R/Y)	30/30	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. PIN 3 IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
- ☐ 3. LABEL MUST BE PERMANENTLY ATTACHED TO EACH REEL.

UNCONTROLLED DOCUMENT

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

REV. E	PART NUMBER SSL-LX15IYC-RP-TR
SOT-23 SURFACE MOUNT 635nm RED/585nm YELLOW LED, WATER CLEAR LENS, TAPE AND REEL.	

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