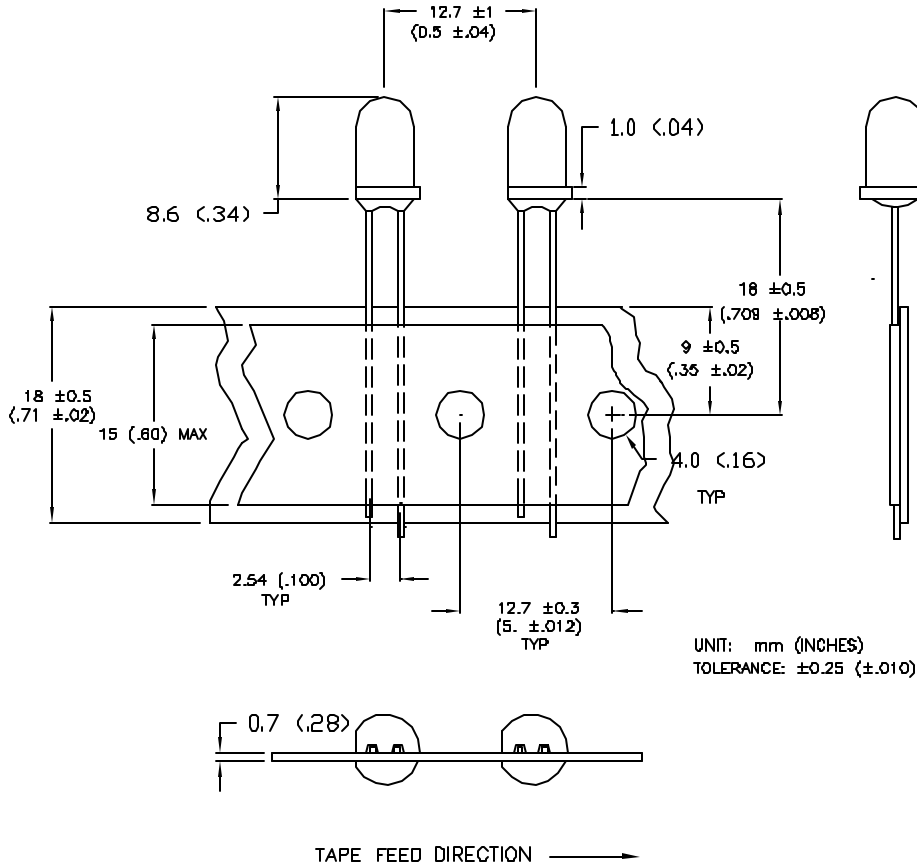
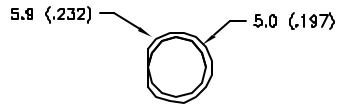


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UNIT: mm (INCHES)
TOLERANCE: ±0.25 (±.010)

PART NUMBER
SSL-LX5093SRC(/B-/E)-TR B

REV.

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	REDRAWN AND UPDATED SPECS./	2.13.95
B	E.C.N. #11148.	02.05.07

ELECTRO-OPTICAL CHARACTERISTICS TA=25 °C If=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (RED)		nm	
FORWARD VOLTAGE		1.7	2.2	V _f	
REVERSE VOLTAGE	4.0			V _r	I _r =100uA
AXIAL INTENSITY	/B	500		mcd	I _f =20mA
	/C	500	1000	mcd	I _f =20mA
	/DU	1000	1300	mcd	I _f =20mA
	/DV	1300	1600	mcd	I _f =20mA
	/DW	1600	2000	mcd	I _f =20mA
	/E	2000	3500	mcd	I _f =20mA
VIEWING ANGLE		30 DEG		2x theta	
EMITTED COLOR :		SUPER RED			
EPOXY LENS FINISH:		WATER CLEAR			

LIMITS OF SAFE OPERATION AT 25 DEG. C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT *	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25 °C	-1.3	mW/ °C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
LEAD SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX

* t<10uS

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), 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

REV. B PART NUMBER SSL-LX5093SRC(/B-/E)-TR

T-5 (T 1-3/4) LED, SUPER BRIGHT RED,
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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