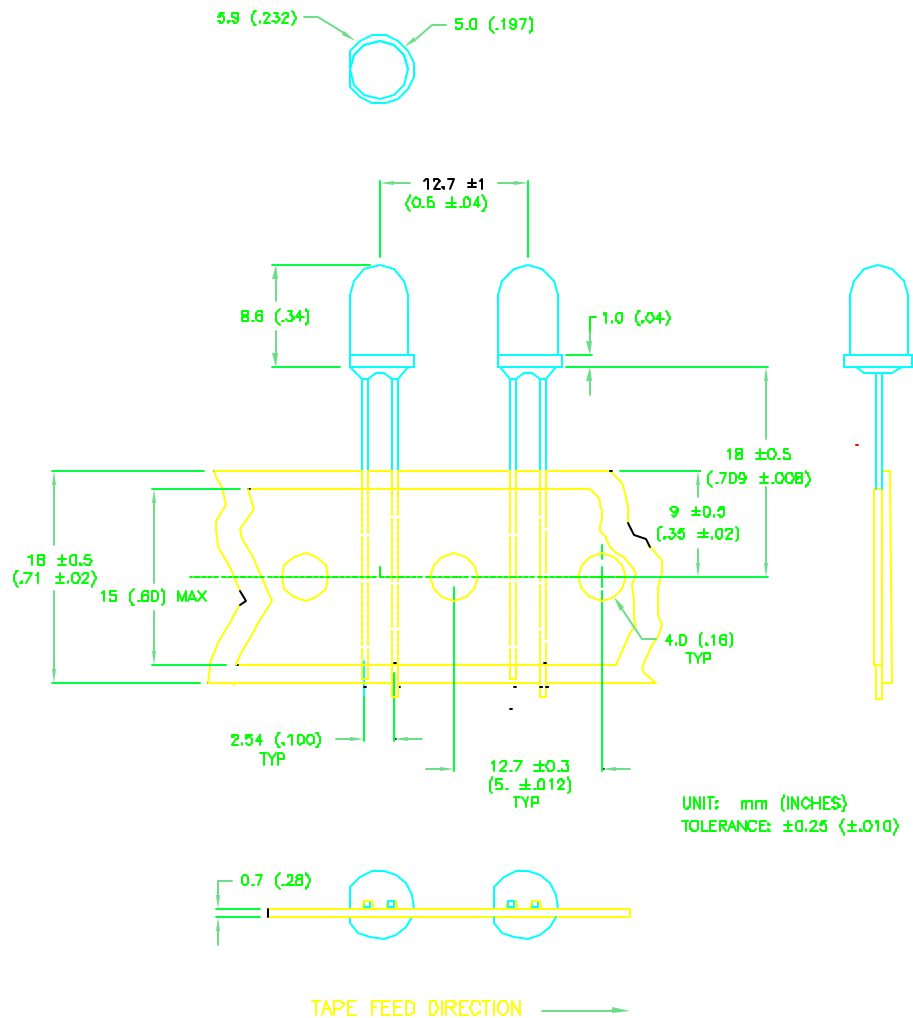


DATE	REVISIONS	REV
2-13-95	REDRAWN, UPDATED SPECS./	A

DRAWING NUMBER	REV
SSL-LX5093ID-TR	A



ELECTRO-OPTICAL CHARACTERISTICS TA=25 °C I<sub>f</sub>=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
FORWARD VOLTAGE		2.0	2.8	V <sub>f</sub>	
REVERSE VOLTAGE	5.0			V <sub>r</sub>	I <sub>r</sub> =100uA
AXIAL INTENSITY		20		med	I <sub>f</sub> =20mA
VIEWING ANGLE		80		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

LIMITS OF SAFE OPERATION AT 25 DEG. C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT *	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25 °C	-1.2	mW/ °C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
LEAD SOLDERING TEMP. 2.0mm FROM BODY	+260	°C 3 SEC. MAX

\* t<10uS



292 E. HELLEN ROAD  
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DATE: 11-5-92	DWN:	CHK'D:	APPD:
SCALE: DO NOT SCALE DWG			

T5 (T 1-3/4) LED, RED DIFFUSED, TAPE AND REEL

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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