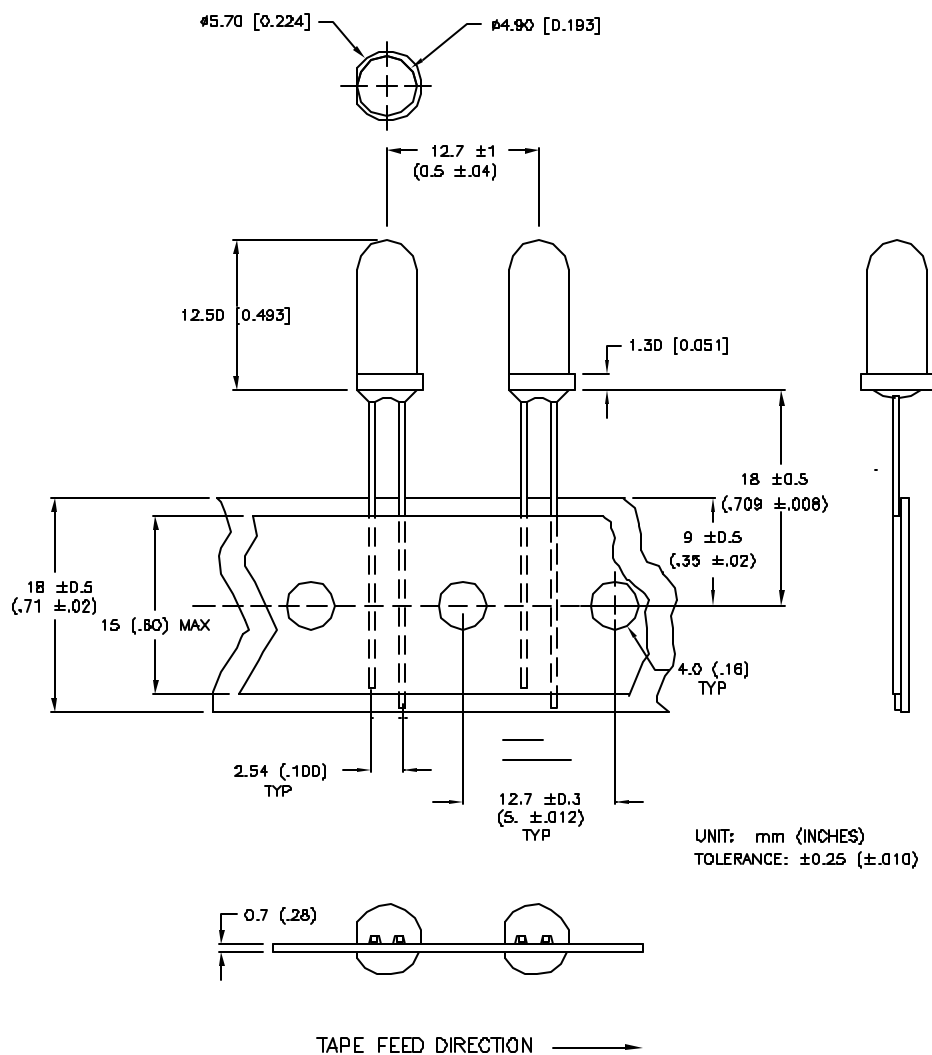


UNCONTROLLED DOCUMENT



UNIT: mm {INCHES}
TOLERANCE: ± 0.25 { ± 0.010 }

PART NUMBER		REV.
SSL-LX50133GD-TR		B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10214.	6.27.93
B	E.C.N. #11148.	02.05.07

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565 (GREEN)		nm	
FORWARD VOLTAGE		2.0	2.8	V _f	
REVERSE VOLTAGE	5.0			V _r	I _f =100uA
AXIAL INTENSITY		20		mcad	I _f =20mA
VIEWING ANGLE		60		2x theta	
EMITTED COLOR	GREEN				
EPOXY LENS FINISH	GREEN	DIFFUSED			

LIMITS OF SAFE OPERATION AT 25°C

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

* $t < 10 \mu s$

*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-LX50133GD-TR	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		
T-5mm (T-1 3/4) LED, GREEN DIFFUSED, TAPE AND REEL.			DRAWN BY: JC	CHECKED BY:	APPROVED BY:	DATE: 4.4.96 PAGE: 1 OF 1 SCALE: N/A