DATE	REVISIONS				
3-18-98	E.C.N. #10BRDR. & REDRAWN./	Α			
7-13-98	E.C.N. #10443./ CORRECTED FLAT TO BE ON IR SIDE.	В			

DRAWING NUMBER	
SSL-LX5099IEW	

REV В

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		940 (IR) 635 (RED)		nm nm	
FORWARD VOLTAGE(IR/R) REVERSE VOLTAGE RADIANT INTENSITY (IR) AXIAL INTENSITY (R) VIEWING ANGLE EMITTED COLOR: RE EPOXY LENS FINISH: MIL	_	1.4/2.0 ´´ 55 60 HITE DIFFUSE	1.75/2.5 12.5 90	Vf Vr mW/Sr µcd 2x theta	Ir=100µA If=20mA If=20mA

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT* STEADY CURRENT POWER DISSIPATION DERATE FROM 25°C OPERATING, STORAGE TEMP. SOLDERING TEMP. 2.0mm FROM BODY	(IR/R) (IR/R)	1200/150 50/30 105 -1.2 -40 TO +85 +260	mA mA mW mW/*C *C *C 3 SEC. MAX

^{*} t<10µS

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. HELLEN ROAD PALATINE, ILLINOIS 60067 (847) 359-2790

A

REV

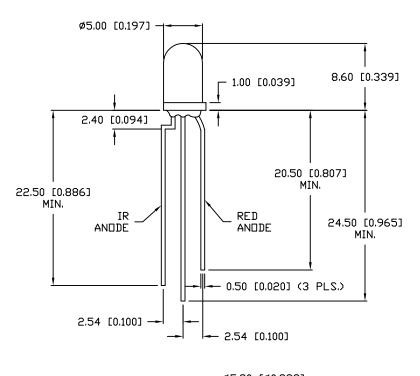
В

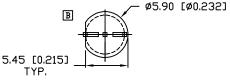
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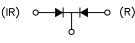
DATE:	9-30-97	DWN:	CHK'D:	APPD:
SCALE:	N/A	DU		BC.

T-5mm (T-1 3/4) LED BI-POLOR IR/RED, COMMON CATHODE.

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COMMON CATHODE

UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±.25mm (±0.010")