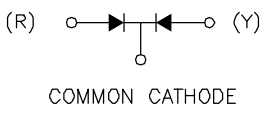
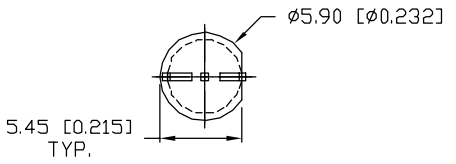
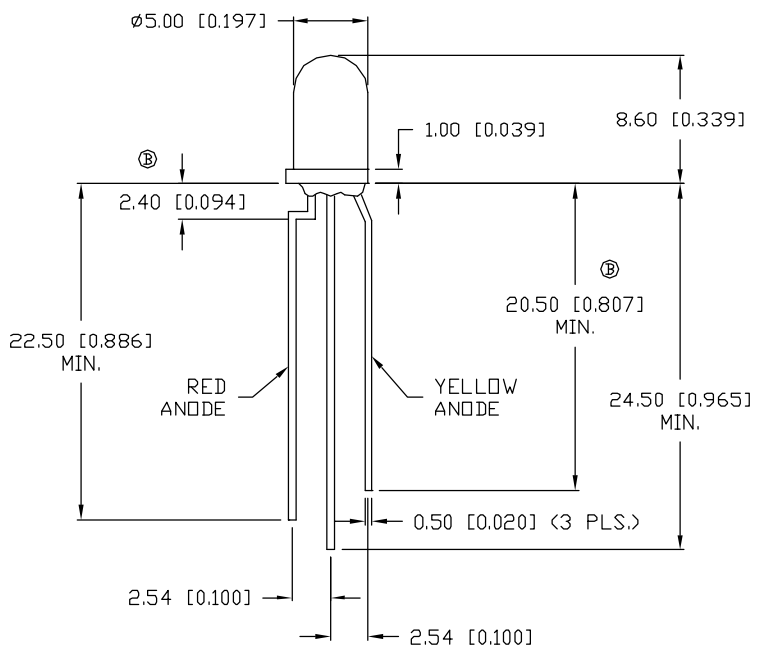


DATE	REVISIONS	REV
4-5-95	CHG'D SPECS.	A
9-7-95	CORRECTED DIMS. WHERE NOTED.	B
3-18-98	E.C.N. #10BRDR. & REDRAWN./	C

DRAWING NUMBER SSL-LX5099IYW	REV C
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UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±.25mm (±0.010")

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	2.5	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r = 100\mu\text{A}$
AXIAL INTENSITY (R/Y)		55/40		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED/YELLOW				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				

Ⓐ LIMITS OF SAFE OPERATION AT 25°C

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

\*  $t < 10\mu\text{s}$

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

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DATE: 3-14-94	DWN:	CHK'D:	APPD:
SCALE: N/A			

T-5mm (T-1 3/4) LED, RED/YELLOW BICOLOR,  
MILKY WHITE DIFFUSED LENS, COMMON CATHODE.

PAGE 1 OF 1	DRAWING NUMBER SSL-LX5099IYW	REV C
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