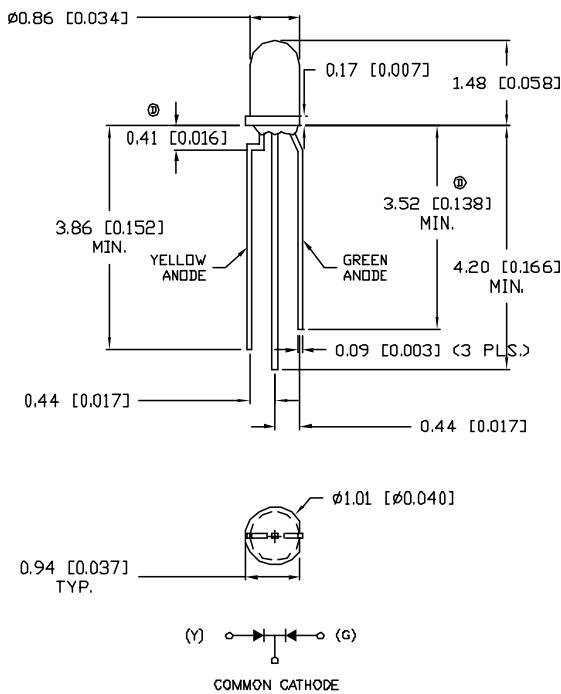


UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SSL-LX5099YGW		F
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	UPDATED SAFE OPER. SPECA.	8.31.94
B	UPDATED SPECS.	2.1.95
C	UPDATED SPECS.	4.5.95
D	CORRECTED DIMS. WHERE NOTED.	9.7.95
E	E.C.N. #10BRDR. & REDRAWN/	3.18.98
F	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		585 (YELLOW) 565 (GREEN)		nm	
FORWARD VOLTAGE (Y/G)		2.1/2.2	2.5/2.6	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_f=100\mu\text{A}$
AXIAL INTENSITY (Y/G)		40/45		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	YELLOW/GREEN				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				

⑤ LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(Y/G)	30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°C
⑥ 2.0mm FROM BODY			3 SEC. MAX

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

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.030), 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=+0.00 -0.00 DECIMAL PRECISION MAX=+0.00 -0.00 DECIMAL PRECISION

REV.	PART NUMBER
F	SSL-LX5099YGW

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

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.

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
JC			12.29.92
			PAGE: 1 OF 1
			SCALE: N/A



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