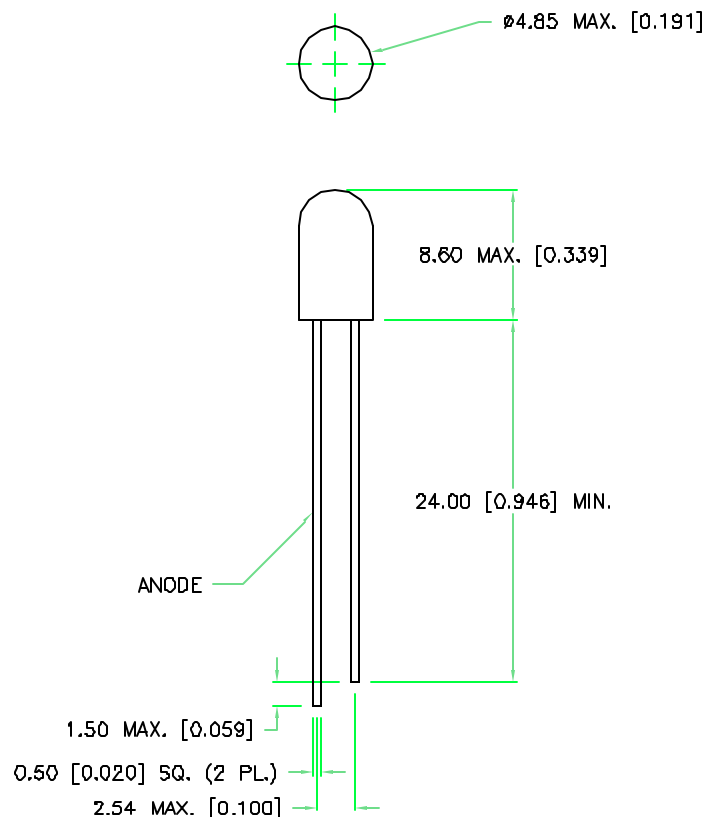


DATE	REVISIONS	REV
12-11-96	E.C.N. #10283./	A

DRAWING NUMBER	REV
SSL-LX509F3SBD/A	A



HANDLING PROCESS NOTE

1. STATIC ELECTRICITY AND SURGE WILL DAMAGE THE LED. IT IS RECOMMENDED WHEN HANDLING THE LED, TO USE ANTI-ELECTROSTATIC GLOVE OR WRISTBAND. ALL DEVICES, EQUIPMENT AND MACHINERY SHOULD BE PROPERLY GROUNDED.

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		430 (BLUE)		nm	
FORWARD VOLTAGE		4.5	5.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		25		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR	BLUE				
EPOXY LENS FINISH	BLUE	DIFFUSED			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	98	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP	-40 TO +85	$^\circ\text{C}$
LEAD SOLDERING TEMP	+260	$^\circ\text{C}$
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.

LUMEX
OPTO COMPONENTS INC.

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

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DATE: 6-24-96	DWN:	CHK'D:	APPD:
SCALE: N/A			

T-5 (T-1 3/4) FLANGELESS LED,
SUPER BLUE, DIFFUSED LENS

PAGE 1 OF 1	DRAWING NUMBER SSL-LX509F3SBD/A	REV A
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MS/CK