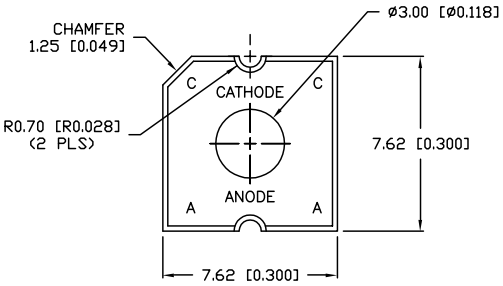
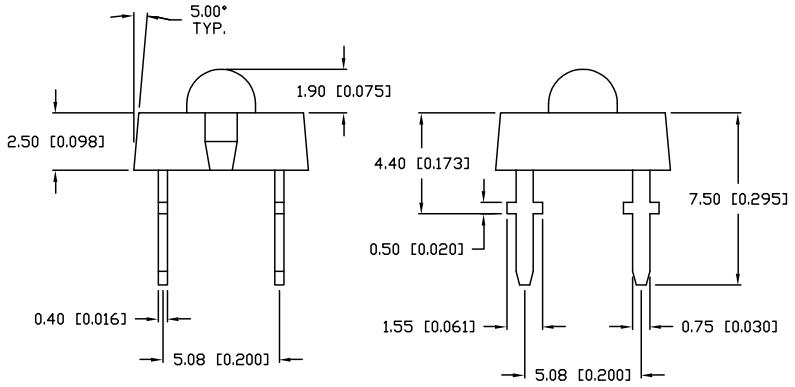
DATE	REVISIONS	REV

DRAWING NUMBER: SSL–LX30448SRC

REV





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

ELECTRO–OPTICAL CHARACTERISTICS T_A =25°C I_f =20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (RED)		nm	
FORWARD VOLTAGE		1.80	2.00	V_f	I_f =20mA
		2.25	2.75	V_f	I_f =70mA
REVERSE VOLTAGE	5.0			V_r	I_r = 10 µA
LUMINOUS INTENSITY		1250		mcd	I_f =70mA
TOTAL FLUX		1560		mlm	I_f =70mA
LUMINOUS INTENSITY/ TOTAL FLUX		0.80		mcd/mlm	
VIEWING ANGLE		50		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	70	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	–2.0	mW/°C
OPERATING, STORAGE TEMP.	–40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		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.

LUMEX INCORPORATED
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DATE: 1–5–98	DWN:	CHK'D:	APPD:
SCALE: N/A			

T–7.6 x 7.6mm LED, SUPER RED, WATER CLEAR LENS.

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