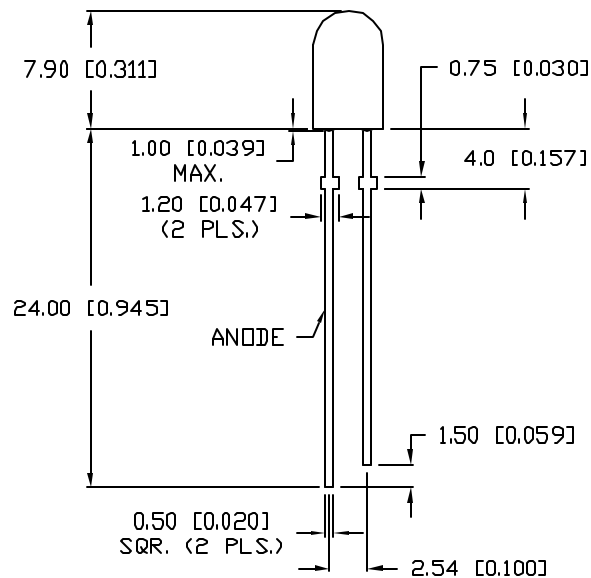
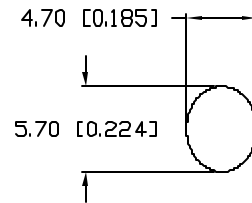


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PART NUMBER
SLX-LX508E3SRC-12REV.
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REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11148.	5.7.07

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660		nm	
FORWARD VOLTAGE		1.8	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=10\mu\text{A}$
AXIAL INTENSITY		450		mcd	$I_f=20\text{mA}$
VIEWING ANGLE X		20		2x theta	
VIEWING ANGLE Y		50		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	120	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-0.72	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-20 TO +80	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN.=+0.00 DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION

REV.

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PART NUMBER

SLX-LX508E3SRC-12

660nm SUPER RED LED,
WATER CLEAR LENS.

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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.



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JC			PAGE: 1 OF 1
			SCALE: N/A