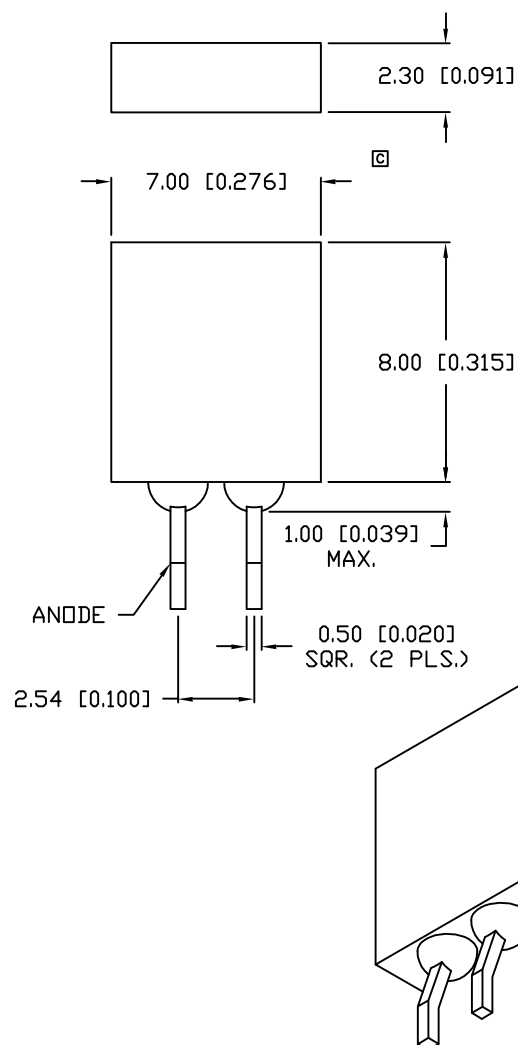


UNCONTROLLED DOCUMENT

PART NUMBER
SSL-LX25783SR-0409REV.
C

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	ADDED NOTE TO SPECIFY CATHODE.	11.18.93
B	E.C.N. #10161	5.2.96
C	E.C.N. #10702.	1.10.01

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		1.7	2.2	V_f	
REVERSE VOLTAGE	4.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		37		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		110		2θ	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	155	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	55	mW
DERATE FROM 25°C	-1.3	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-25 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

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

REV.
CPART NUMBER
SSL-LX25783SR-04092.3 x 8mm RECTANGULAR LED,
SPECIAL BEND IN LEADS.

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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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CT			8.9.93
			PAGE: 1 OF 1
			SCALE: N/A

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