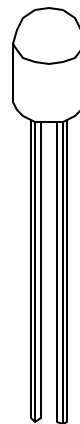
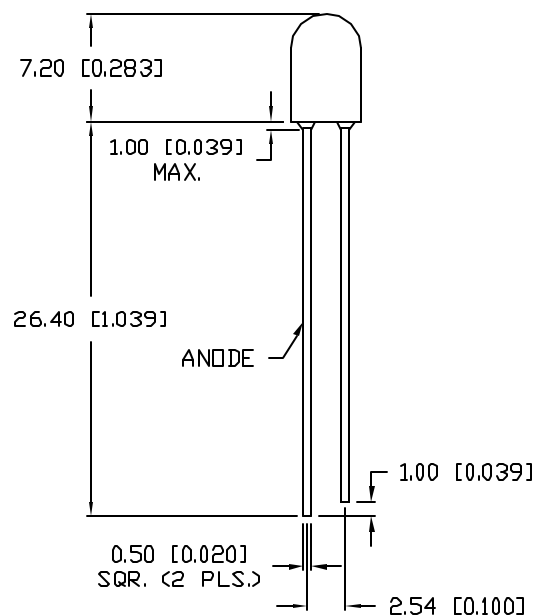


UNCONTROLLED DOCUMENT

PART NUMBER
SSL-LX507F30D-5VREV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN IN 3D.	6.4.01
B	E.C.N. #11148	11.01.06

Ø4.75 [Ø0.187]

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $V_f=5\text{ V}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		630		nm	
FORWARD VOLTAGE		5.0	7.0	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		15		mcd	$V_f=5\text{ V}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	ORANGE				
EPOXY LENS FINISH:	ORANGE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD VOLTAGE	7	V
STEADY CURRENT	12	mA
POWER DISSIPATION	310	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

B



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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.=^{+DECIMAL PRECISION}-0.00 ^{-DECIMAL PRECISION} MAX.=^{+0.00}-0.00

REV.

B

PART NUMBER

SSL-LX507F30D-5V

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B

T-5mm (T-1 3/4) 630nm ORANGE LED,
ORANGE DIFFUSED LENS, 5 VOLT OPERATION.

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:

JC

CHECKED BY:

APPROVED BY:

DATE: 11.01.06

PAGE: 1 OF 1

SCALE: N/A