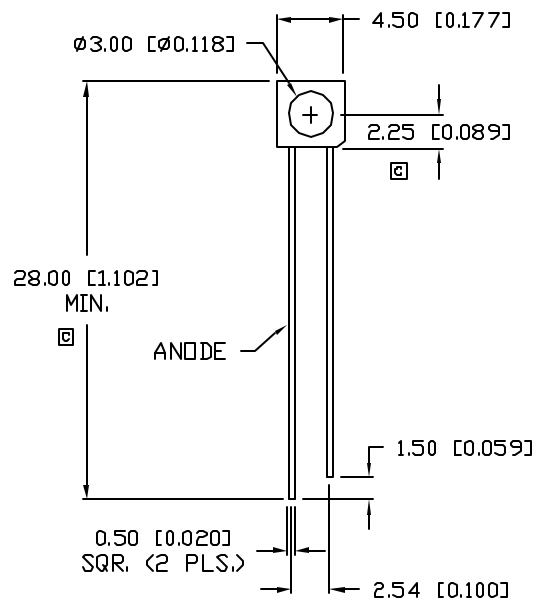
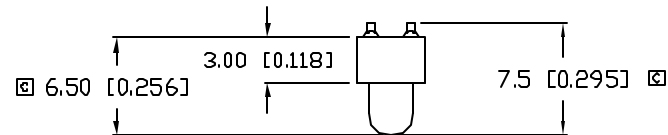


UNCONTROLLED DOCUMENT

PART NUMBER
SSF-LX3P74YD-99REV.
E

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	ADDED AXIAL INTENSITY	2.2.94
B	UPDATED SAFE OPERATING SPECS.	11.16.94
C	ADDED AND CORRECTED DIMS.	5.10.95
D	E.C.N. #10BRDR.	4.2.98
E	E.C.N. #10BRDR. & REDRAWN IN 3D.	7.18.01

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585		nm	
FORWARD VOLTAGE		2.1	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		25		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	YELLOW DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	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

* $t < 10\mu\text{s}$ *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^{-DECIMAL PRECISION}

REV.

PART NUMBER

E

SSF-LX3P74YD-99

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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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E

T-3mm (T-1) ALL EPOXY RIGHT ANGLE INDICATOR,
585nm YELLOW LED, YELLOW DIFFUSED.

DRAWN BY:

BC

CHECKED BY:

APPROVED BY:

DATE: 6.29.90

PAGE: 1 OF 1

SCALE: N/A