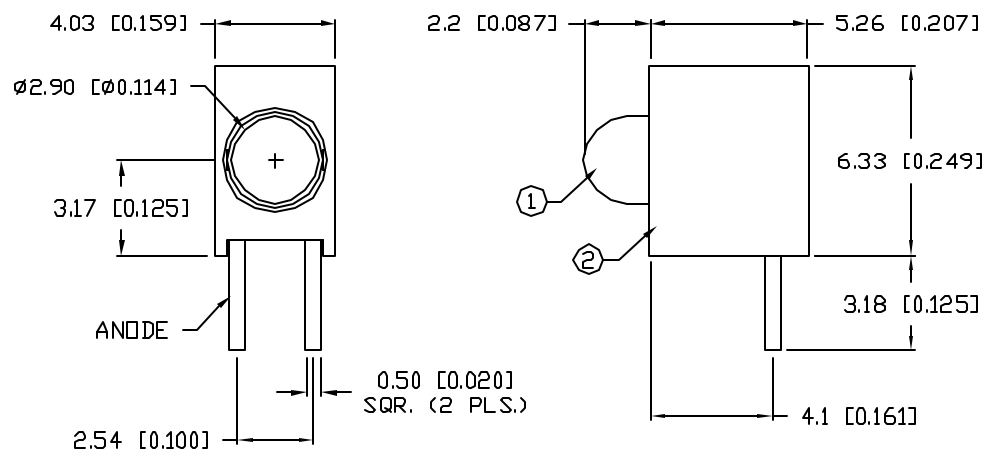


UNCONTROLLED DOCUMENT

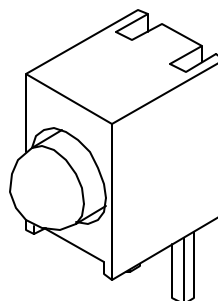
PART NUMBER
SSF-LXH303LYDREV.
E

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	REDRAWN.	12.6.93
B	REMOVED MAX FROM DIMS.	12.16.93
C	UPDATED SAFE OPER. SPECS.	10.12.94
D	E.C.N. #10BRDR. & REDRAWN.	9.2.98
E	E.C.N. #10675.	10.30.00



NOTES:

1. SSL-LX3044LYD, LOW CURRENT YELLOW LED.
2. SSH-LXH303, BLACK NYLON HOLDER, UL 94V-0.
3. PARTS NEED TO BE PACKED IN ANTI-STATIC TUBES.

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	$I_r=100\mu\text{A}$
AXIAL INTENSITY	1.0	30		mcd	$I_f=20\text{mA}$
		60		mcd	$I_f=2\text{mA}$
VIEWING ANGLE				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	-1.6	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), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN=+DECIMAL PRECISION -0.00 MAX.=+0.00 -DECIMAL PRECISION

REV.

E

PART NUMBER

SSF-LXH303LYD

T-3mm (T-1) LED FAULT INDICATOR,
585nm YELLOW LED, YELLOW DIFFUSED LENS, LOW CURRENT.

CONFIDENTIAL INFORMATION

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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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