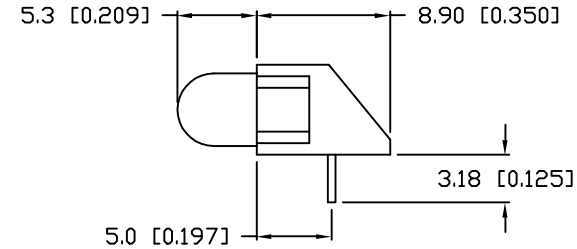
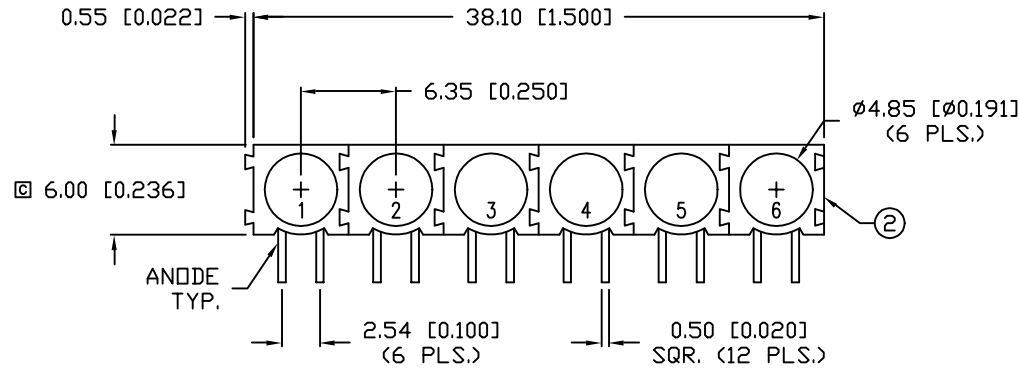


UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SSF-LXH100M-14875		C
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10291.	1-13-97
B	E.C.N. #10341.	5-12-97
C	E.C.N. #10563.	2-4-00



NOTES:

1. PACKAGE PARTS IN ANTI-STATIC TUBES.
2. SSH-LXH100M, BLACK NYLON HOLDER, 94V-0. (6 PCS.)
3. SSL-LX509F3ID, RED LED. (2 PCS.)
4. SSL-LX509F3YD, YELLOW LED. (2 PCS.)
5. SSL-LX509F3YYD, YELLOW BIPOLAR LED. (1 PC.)
6. SSL-LX509F3GD, GREEN LED. (1 PC.)

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

PARAMETER	RED	YELLOW YEL/YEL	GREEN	UNITS	TEST COND
PEAK WAVELENGTH	635	585	565	nm	
FORWARD VOLTAGE (TYP.)	2.0	2.1	2.2	V_f	
FORWARD VOLTAGE (MAX.)	2.5	2.5	2.6	V_f	
REVERSE VOLTAGE	5.0	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	30	30	30	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	60	60	60	$2x$ theta	
LED POSITION:	1,2	3,4	5	6	
EPOXY LENS FINISH: DIFFUSED PER EMITTED COLOR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/Y/G)	30/30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	$\text{mW}/^{\circ}\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.		+260	$^{\circ}\text{C}$
2.0mm FROM BODY			3 SEC. MAX

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

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*TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010). LEAD LENGTH=±0.75 (±0.030). MIN=+DECIMAL PRECISION MAX.=+0.00 -DECIMAL PRECISION

REV.	PART NUMBER
C	SSF-LXH100M-14875
T-5mm (T-1 3/4) MATING RIGHT ANGLE FAULT INDICATOR, POS.1,2: RED LED, POS.3,4: YELLOW LED, POS.5: YELLOW LED, POS.6: GREEN LED, DIFFUSED PER EMITTED COLOR.	

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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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			PAGE: 1 OF 1
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