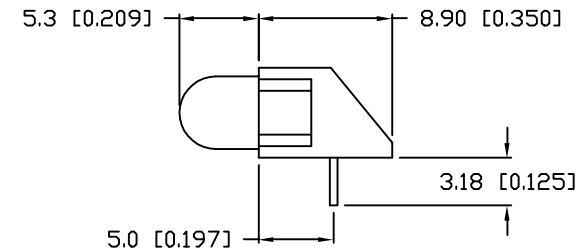
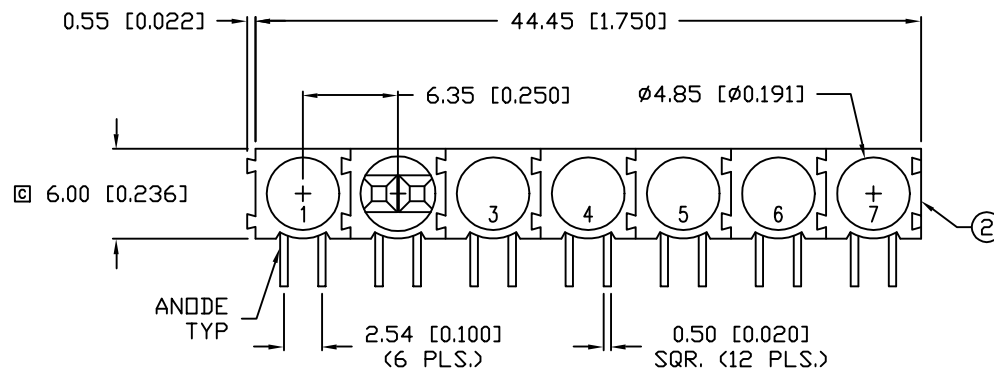


UNCONTROLLED DOCUMENT

PART NUMBER
SSF-LXH100M-27009

REV.
D

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	REDRAWN, UPDATED SPECS.	4-4-95
B	E.C.N. #10291.	1-13-97
C	E.C.N. #10341.	5-12-97
D	E.C.N. #10563.	2-4-00



NOTES:

1. PACKAGE PARTS IN ANTI-STATIC TUBES.
2. SSH-LXH100M, BLACK NYLON HOLDER, 94V-0. (7 PCS.)
3. SSL-LX509F3ID, RED LED. (2 PCS.)
4. SSL-LX509F3YD, YELLOW LED. (3 PCS.)
5. SSL-LX509F3GD, GREEN LED. (1 PC.)
6. POSITION NUMBER 2 IS EMPTY.

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

PARAMETER	RED	YELLOW	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:	3,7	1,4,6	5		
EPOXY LENS FINISH: DIFFUSED SAME AS 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	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°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. D	PART NUMBER SSF-LXH100M-27009	<p>CONFIDENTIAL INFORMATION</p> <p>THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.</p> <p>RELIABILITY NOTE</p> <p>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.</p>	<p>LUMEX INCORPORATED</p> <p>290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 PHONE: (847) 359-2790 WEB: http://www.lumex.com</p>
T-5mm (T-1 3/4) MATING RIGHT ANGLE FAULT INDICATOR, POS.1,4,6: YELLOW LEDS, POS.3,7: RED LEDS, POS.5: GREEN LED, LEDS DIFFUSED PER COLOR.		<p>DRAWN BY: BC</p> <p>CHECKED BY:</p> <p>APPROVED BY:</p>	<p>DATE: 8-11-92</p> <p>PAGE: 1 OF 1</p> <p>SCALE: N/A</p>