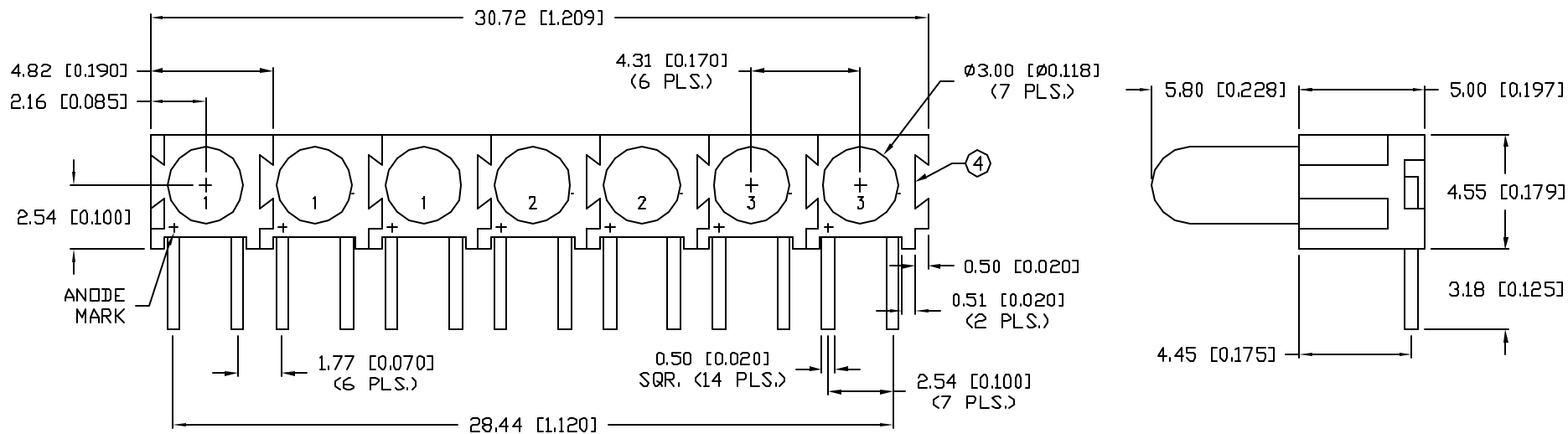


UNCONTROLLED DOCUMENT

PART NUMBER
SSF-LXHM140-39922

REV.
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10533./ ADDED TUBE NOTE.	7-13-99



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$					
PARAMETER	GREEN	YELLOW	RED	UNITS	TEST COND
PEAK WAVELENGTH	565	585	635	nm	
FORWARD VOLTAGE (TYP.)	2.2	2.1	2.0	nm	
FORWARD VOLTAGE (MAX.)	2.6	2.5	2.5	V_f	
REVERSE VOLTAGE	5.0	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	20	20	20	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	60	60	60	2x theta	
LED POSITION:	1~3	4~5	6~7		
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	(G/Y/R)	25/30/30	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	
* $t < 10\mu\text{s}$			

NOTES:

1. SSL-LX308F4GD, GREEN LED, (3 PCS.).
2. SSL-LX308F4YD, YELLOW LED, (2 PCS.).
3. SSL-LX308F4RD, RED LED, (2 PCS.).
4. SSH-LXHM140, MATING HOLDER, BLACK.
5. PARTS SUPPLIED IN TUBES.

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*UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010"$)

REV. PART NUMBER
A SSF-LXHM140-39922

T-3mm (T-1) MATING, RIGHT ANGLE FAULT INDICATOR,
POS1~3: GREEN DIFFUSED, POS4,5: YELLOW DIFFUSED,
POS.6,7: RED DIFFUSED.

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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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TM/BC