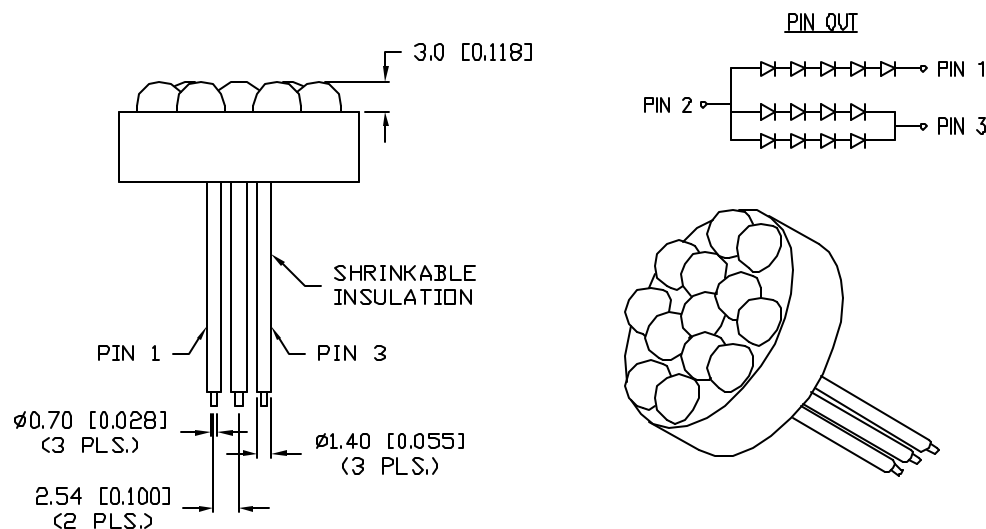
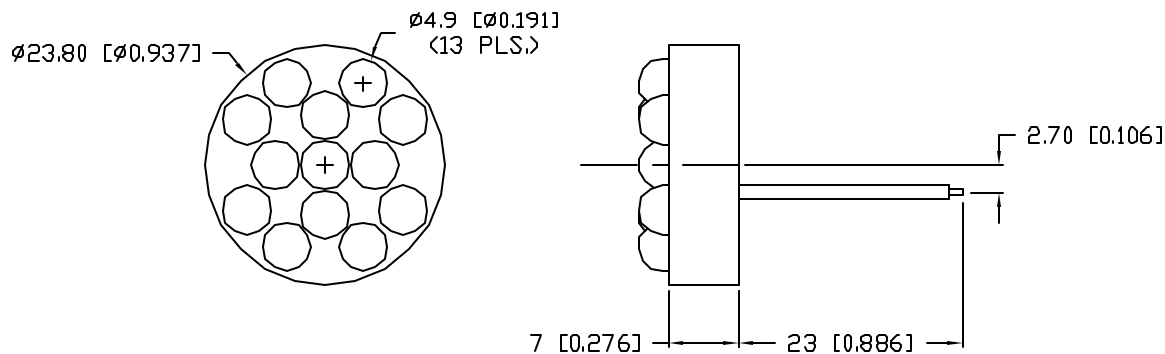


UNCONTROLLED DOCUMENT

PART NUMBER  
SSP-LXC0946U13A

REV.  
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10582.	1.14.00
B	E.C.N. #10650.	8.16.00



ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=20/40\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		626		nm	
FORWARD VOLTAGE*		9.0/7.2	11.5/9.2	V <sub>f</sub>	
REVERSE VOLTAGE	4.0			V <sub>r</sub>	I <sub>r</sub> =100μA
AXIAL INTENSITY**		2000		mcd	I <sub>f</sub> =20/40mA
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	ULTRA RED				
EPOXY LENS FINISH:	WATER CLEAR				

\* VOLTAGE FOR: PIN 1/PIN 3  
\*\* INTENSITY PER DIE. TEST CONDITION: CURRENT FOR PIN 1/PIN 3

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-30 TO +70	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX

\* t<10μs

\*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= <sup>+DECIMAL PRECISION</sup> -0.00 MAX= <sup>+0.00</sup> -DECIMAL PRECISION

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REV. B	PART NUMBER SSP-LXC0946U13A
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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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0.94" CIRCULAR, 13 LED POLYLED,  
626nm AlInGaP RED LEDS, WATER CLEAR LENS.

DRAWN: BC	CHECKED:	APPROVED:	DATE: 9.21.99 PAGE: 1 OF 1
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