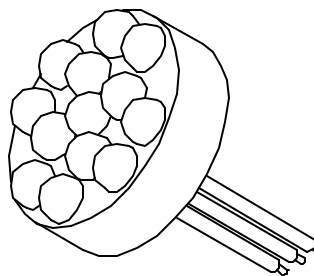
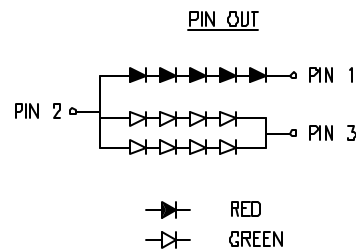
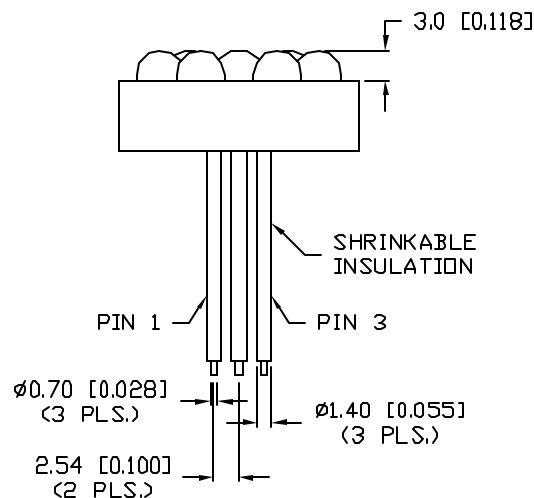
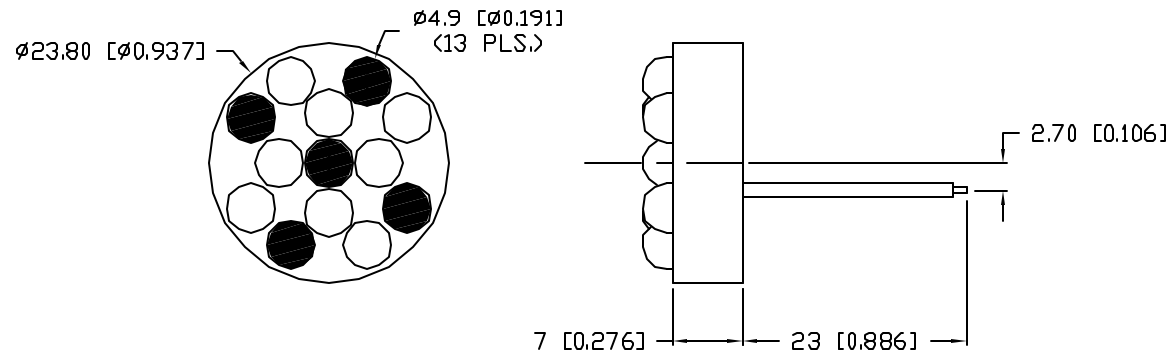


UNCONTROLLED DOCUMENT

PART NUMBER
SSP-LXC09462S13AREV.
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		660 (R)		nm	
		565 (G)		nm	
FORWARD VOLTAGE* (R/G)		9/8.8	11.5/10.4	V_f	
REVERSE VOLTAGE (R/G)	4.0/5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY** (R/G)		2000/300		mcd	$I_f=20/40\text{mA}$
VIEWING ANGLE		30		2x theta	

EMITTED COLOR: SUPER RED/SUPER GREEN

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	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT (R/G)		30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	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: $X=\pm 1$ (± 0.039), $X.X=\pm 0.5$ (± 0.020), $X.XX=\pm 0.25$ (± 0.010), $X.XXX=\pm 0.127$ (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030), MIN= $\begin{matrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$ MAX= $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$

REV.

B

PART NUMBER

SSP-LXC09462S13A

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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0.94" CIRCULAR, 13 LED POLYLED,

660nm RED/565nm GREEN LEDS, WATER CLEAR LENS.

DRAWN:

BC

CHECKED:

APPROVED:

DATE: 9.21.99

PAGE: 1 OF 1