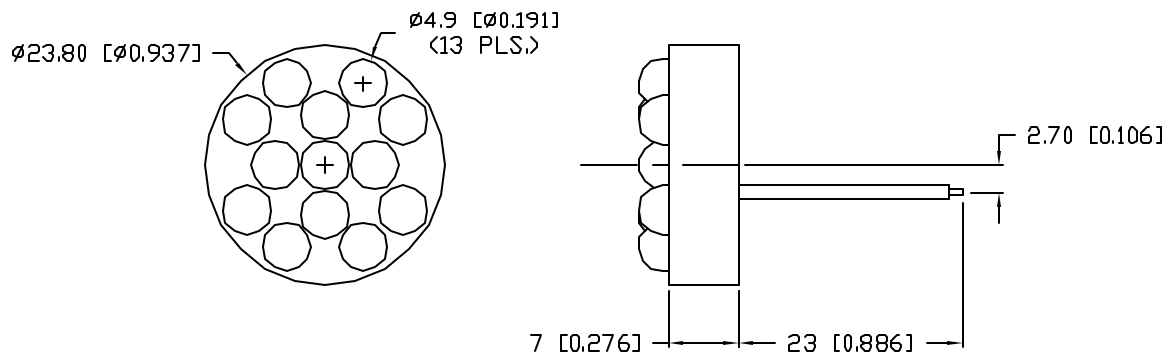


UNCONTROLLED DOCUMENT

PART NUMBER  
SSP-LXC0943S13A

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

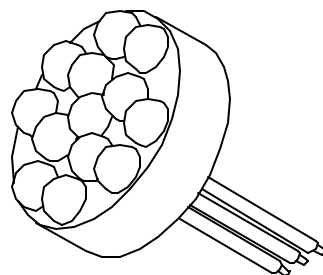
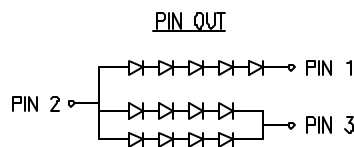
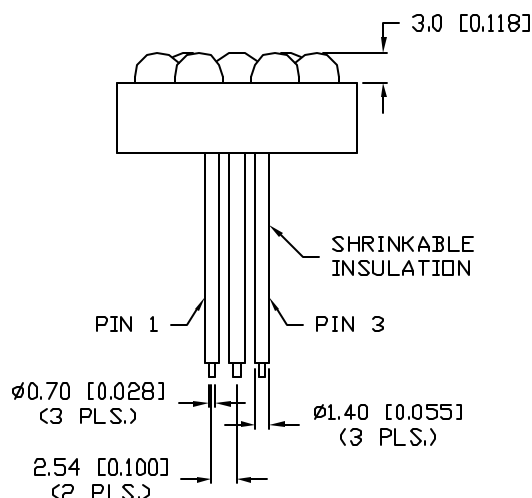


ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=20/40\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590		nm	
FORWARD VOLTAGE*		10.5/8.4	12.5/10	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY**		1200		mcd	$I_f=20/40\text{mA}$
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	SUPER YELLOW				
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	105	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

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

\*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>+0.00</sup> <sub>-0.00</sub> MAX= <sup>+0.00</sup> <sub>-0.00</sub>

UNCONTROLLED DOCUMENT

REV. B PART NUMBER SSP-LXC0943S13A

CONFIDENTIAL INFORMATION  
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0.94" CIRCULAR, 13 LED POLYLED,  
590nm AlInGaP YELLOW LEDS, WATER CLEAR LENS.

RELIABILITY NOTE  
DUR 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.

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