

UNCONTROLLED DOCUMENT

PART NUMBER
SSP-LXC12862S24AREV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10582.	1-12-00
B	E.C.N. #10616.	4-20-00

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

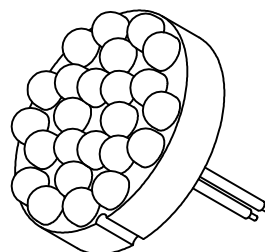
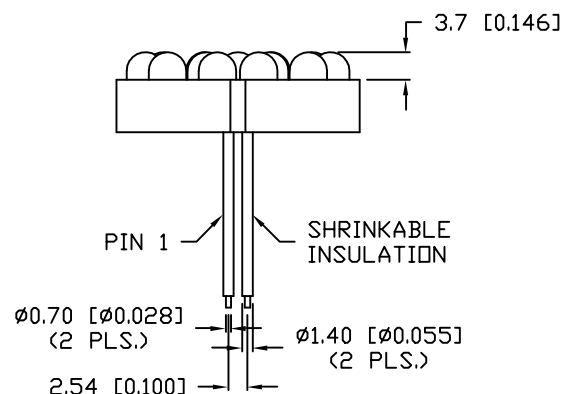
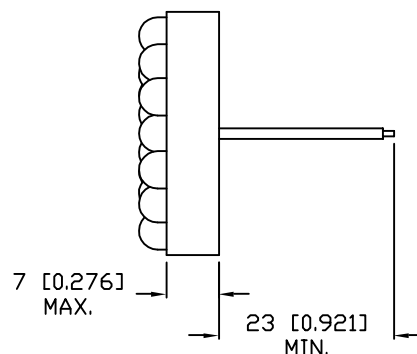
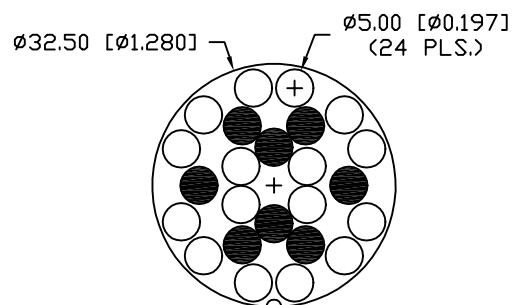
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (R)		nm	
		565 (G)		nm	
FORWARD VOLTAGE* (R/G)		14.4/17.6	18.4/20.8	V _f	
REVERSE VOLTAGE (R/G)	4.0/5.0			V _r	I _r =100 μ A
AXIAL INTENSITY** (R/G)		2000/300		mcd	I _f =20/40mA
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	SUPER RED/SUPER GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

* VOLTAGE FOR: PIN 1/PIN 3

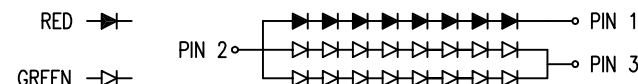
** INTENSITY PER DIE. TEST CONDITION: CURRENT FOR PIN 1/PIN 3

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/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY			3 SEC. MAX

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

PIN OUT



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*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.=+DECIMAL PRECISION -0.00 MAX.=+0.00 -DECIMAL PRECISION

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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.

LUMEX
INCORPORATED

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1.28" CIRCULAR, 24 LAMP POLY-LED, DUAL COLOR,
660nm SUPER RED LEDS, 565nm SUPER GREEN LEDS,
WATER CLEAR LENS, COMMON ANODE.

DRAWN BY: BC	CHECKED BY:	APPROVED BY:	DATE: 9-21-99
			PAGE: 1 OF 1
			SCALE: N/A