

PART NUMBER
SSP-LXC12862S24A

REV.

C

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10582.	1.12.00
B	E.C.N. #10616.	4.20.02
C	E.C.N. #10929.	11.18.02

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

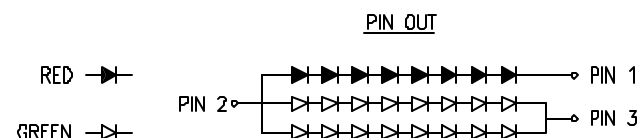
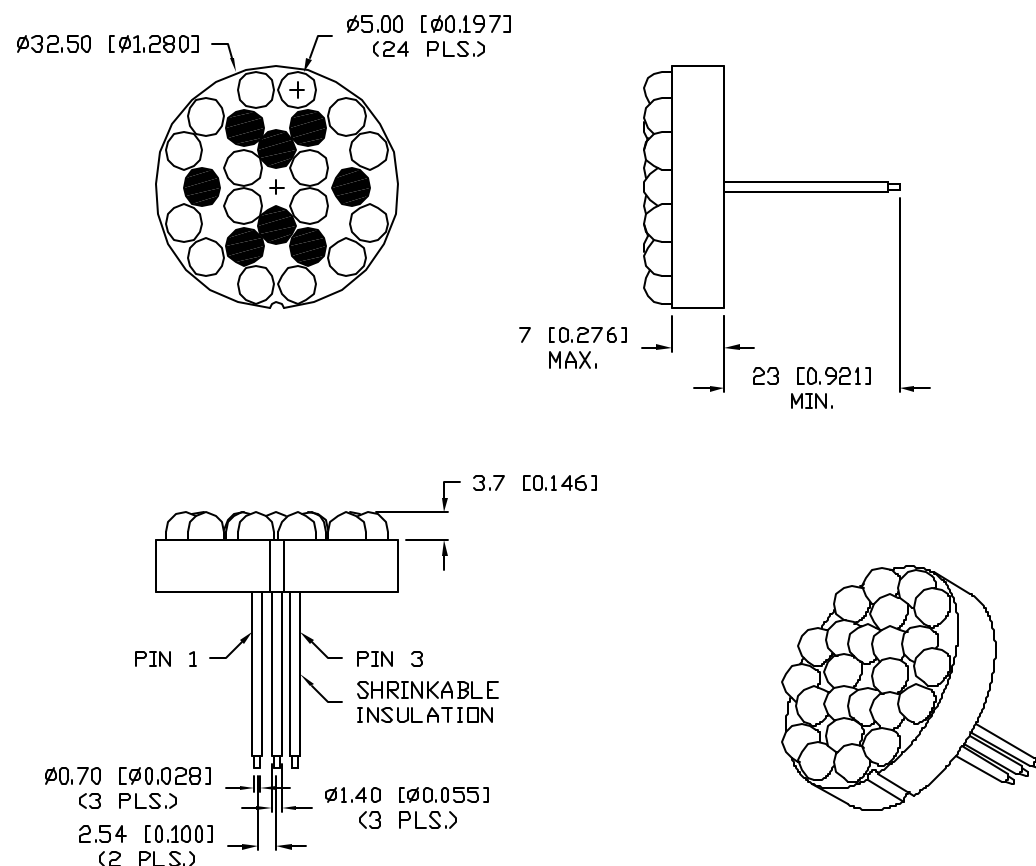
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (R) 565 (G)		nm	
FORWARD VOLTAGE* (R/G)		14.4/17.6	18.4/20.8	V_f	
REVERSE VOLTAGE (R/G)	4.0/5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY** (R/G)		2000/300		mcd	$I_f=20/40\text{mA}$
VIEWING ANGLE		30		$2x \theta_{\text{theta}}$	
EMITTED COLOR:	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=±1 (±0.038), 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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1.28" CIRCULAR, 24 LAMP POLYLED,
RED/GREEN LEDS, WATER CLEAR LENS.

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.



286 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.2867
WEB: www.sunbriteleds.com

DRAWN:

BC

CHECKED:

APPROVED:

DATE: 9.21.99

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