

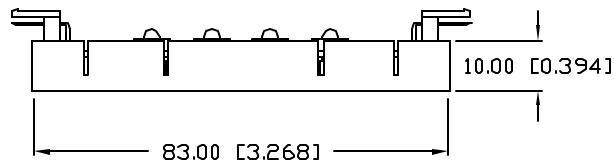
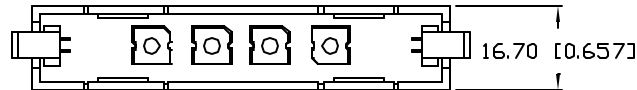
ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $V_f=12\text{V}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		626 (RED)		nm	
FORWARD VOLTAGE		12.0	14.0	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY *		1200		mcd	$V_f=12\text{V}$
VIEWING ANGLE		50		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

*PER LED

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD VOLTAGE	14	V
STEADY CURRENT	70	mA
POWER DISSIPATION	600	mW
DERATE FROM 25°C	-1.2	mW/ $^{\circ}\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$



NOTES:

1. FOUR LEDs PER STRIP.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$ DECIMAL PRECISION, MAX= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$ DECIMAL PRECISION

REV.

PART NUMBER
SSP-CS836U12

CONFIDENTIAL INFORMATION

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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.



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MODULAR STRIP LIGHT, 626nm AlInGaP RED LEDS.

DRAWN:
BC

CHECKED:

APPROVED:

DATE: 7.31.02
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