

PART NUMBER
SSB-CEL15890UWW-24

REV.

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ PER MODULE					$I_f=240\text{mA}$
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		-		nm	
FORWARD VOLTAGE		9.7	12	V_f	
REVERSE VOLTAGE	5			V_r	$I_f=0.50\text{mA}$
LUMINOUS INTENSITY(*1)		5000		cd/m^2	$I_f=240\text{mA}$
CHROMATICITY X	0.26	0.30	0.33		
COORDINATES(*2) Y	0.27	0.31	0.34		
EMITTED COLOR:	WHITE				
REFLECTOR FINISH:	CLEAR WHITE WITH DIFFUSER				

*1. LUMINOUS INTENSITY TESTING CONDITION: 550nm WAVELENGTH.
*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C PER MODULE

PARAMETER	MAX	UNITS
STEADY CURRENT	288	mA
POWER DISSIPATION	2.328	W
DERATE FROM 25°C, PER DIE	-1.2	mW/°C
OPERATING TEMP.	-20 TO +70	°C
STORAGE TEMP.	-30 TO +80	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX

NOTES:

- JST: BHSR-02VS-1, CONNECTOR
- PINK WIRE= POSITIVE.
- WHITE WIRE= GROUND.



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

REV.	PART NUMBER SSB-CEL15890UWW-24	CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.	 290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw
7" DIAGONAL WHITE LED BACKLIGHT, 24 CHIPS, 5000 cd/m^2 , 9.7V @ 240mA.		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.	DRAWN BY: JC CHECKED BY: APPROVED BY: DATE: 11.06.06 PAGE: 1 OF 1 SCALE: N/A

