

DATE	REVISIONS	REV	DRAWING NUMBER	REV
1-30-95	UPDATED SPECS./	A	SSB-LX845YD	A

ANODE TYP

.5 (.02) TYP
SQR. TYP

1.5 (.06) TYP

2.54 (.1) 3 PLS

6.0 (.236)

8.0 (.315)

14.0 (.551) MIN.

16.0 (.63)

5.0 (.197)

ELECTRO-OPTICAL CHARACTERISTICS TA=25 °C If=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585 (YELLOW)		nm	
FORWARD VOLTAGE		2.0	2.8	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =100uA
AXIAL INTENSITY		5.0		mcd	I _f =20mA
VIEWING ANGLE		120		2x theta	
EMITTED COLOR: YELLOW					
EPOXY LENS FINISH: YELLOW TOP DIFFUSED					

Ⓐ LIMITS OF SAFE OPERATION AT 25 DEG. C

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.	-40 TO +85	°C
LEAD SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX

* t<1DuS

NOTES:

- TOLERANCE: ±0.2 (±0.01).
- UNIT: mm (INCHES).

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.

292 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
(708) 359-2780

DATE: 11-30-92	APPROVED BY:	DRAWN BY:
SCALE: N/A		
5mm X 16mm LIGHT BAR, YELLOW TOP DIFFUSED		
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BX845YAA