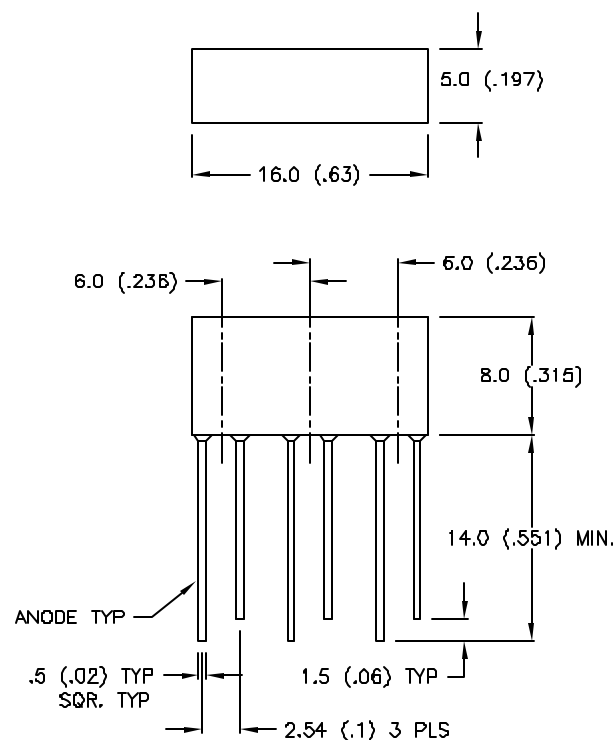


DATE	REVISIONS	REV	DRAWING NUMBER	REV
1-30-95	UPDATED SPECS./	A	SSB-LX845YD	A



#### NOTES:

1. TOLERANCE:  $\pm 0.2$  ( $\pm 0.01$ ).
2. 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.

BX845YAA

#### ELECTRO-OPTICAL CHARACTERISTICS TA=25 °C I<sub>f</sub>=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585 (YELLOW)		nm	
FORWARD VOLTAGE		2.0	2.8	V <sub>f</sub>	
REVERSE VOLTAGE	5.0			V <sub>r</sub>	I <sub>r</sub> =100uA
AXIAL INTENSITY		5.0		mcd	I <sub>f</sub> =20mA
VIEWING ANGLE		120		2x theta	

EMITTED COLOR: YELLOW

EPDOXY 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<10uS



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		
PAGE 1 OF 1	DRAWING NUMBER SSB-LX845YD	REV A

# Mouser Electronics

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