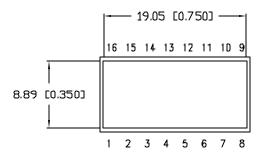
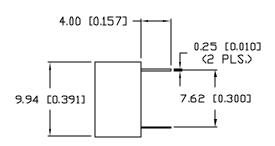
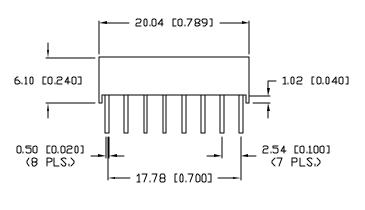
## SSB-LX2685USBD

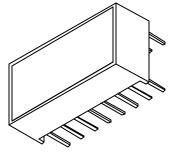






10 11 14 15

9 12 13 16



ELECTRO-OPTICAL CH	ARACTERIS	STICS TA=25	5'C	$I_f = 20 \text{mA}$	
PARAMETER	MIN	ΤΥP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		<b>4</b> 70		nm	_
FORWARD VOLTAGE		3.5	4.0	$V_f$	
REVERSE VOLTAGE	5.0			٧r	I <sub>r</sub> = 1 00μΑ
AXIAL INTENSITY		70		mcd	$I_f = 20mA$
VIEWING ANGLE		160		2x theta	
EMITTED COLOR:	BLUE				
EPOXY LENS FINISH:	BLUE DI	FFUSED			

## LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	<b>2</b> 5	mA
POWER DISSIPATION	120	mW
DERATE FROM 25°C	- 0,5	mW/°C
OPERATING, STORAGE TEMP.	- 40 TO +85	°C
SOLDERING TEMP.	+ 260	°C
2.0mm FROM BODY		3 SEC. MAX

\* t<10µS

CAUTION: STATIC SENSITIVE DEVICE FOLLOW PROPER E.S.D. HANDLING PROCEDURES WHEN WORKING WITH THIS PART.

UNCONTROLLED DOCUMENT

\*UNILESS OTHERWISE SPECIFIED TOLERANCES PER DECINAL PRECISION ARE: X=±1 (±0.039), XXX=±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). MN= +DECINAL PRECISION ARE: X=±1 (±0.039), XXX=±0.5 (±0.020), XXX=±0.127 (±0.005).

REV.

PART NUMBER SSB-LX2685USBD

19.05mm x 8.89mm LIGHT BAR, 470nm InGaN/SiC BLUE LEDS, BLUE DIFFUSED.

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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.



BC

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CHECKED BY: APPROVED BY: DRAWN BY:

DATE: 7.8.03 PAGE: 1 OF 1 SCALE: N/A

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