



LL10000-X

10 SEGMENT LIGHT BAR (SUPERBRIGHT RED)

Feature

- * LOW CURRENT REQUIREMENTS
- * EXCELLENT CHARACTER APPERANCE
- * HIGH LIGHT OUTPUT
- * RELIABLE AND RUGGED
- * IC COMPATIBLE

Absolute Maximum Ratings at $T_A=25^\circ\text{C}$

REVERSE VOLTAGE PER LED CHIP (<math><100 \mu\text{A}</math>)	4.0V
D.C. FORWARD CURRENT PER LED CHIP.....	30 mA
PULSE CURRENT (1/10 DUTY CYCLE,0.1 ms PULSE WIDTH) PER LED CHIP.....	100 mA
OPERATING TEMPERATURE RANGE.....	-25 $^\circ\text{C}$ TO +85 $^\circ\text{C}$
STORAGE TEMPERATURE RANGE.....	-25 $^\circ\text{C}$ TO +100 $^\circ\text{C}$
LEAD SOLDERING TEMP. (1.6mm FROM SEATING PLANE).....	260 $^\circ\text{C}$ FOR 3 SEC.

Electrical/optical characteristics at $T_A=25^\circ\text{C}$

PART NUMBER	LED CHIP		FACE COLOR		PEAK WAVELENGTH @20mA(nm)	FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @20mA(mcd)	
	MATERIAL	EMITTING COLOR	SURFACE	SEGMENT OR DOT		TYP.	MAX.	MIN.	TYP.
						LL10000-SB EWAK	GaAlAs ON GaAs	RED	GREY

Package Dimensions And Pin Function

**LL10000-SB
PIN NO. FUNCTION**

1.A ANODE	11.J CATHODE
2.B ANODE	12.I CATHODE
3.C ANODE	13.H CATHODE
4.D ANODE	14.G CATHODE
5.E ANODE	15.F CATHODE
6.F ANODE	16.E CATHODE
7.G ANODE	17.D CATHODE
8.H ANODE	18.C CATHODE
9. I ANODE	19.B CATHODE
10.J ANODE	20.A CATHODE

1.ALL DIMENSIONS ARE IN mm, TOLERANCE IS $\pm 0.25\text{mm}$ UNLESS OTHERWISE NOTED.
 2.THE SLOPE ANGLE OF ANY PIN MAY BE $\pm 5.0^\circ$ MAX.