



25.4mm X10.1mm 10Segment Bi-Color Light Bar

Features:

- *High dot intensity
- *Wide viewing angle
- *Bi- colors
- *Gray face White dot
- *RoHS compliant

Available option:

- *Alternative face and dot color
- *Cropped terminal pins
- *Available emitting color
- *Low current version

Electro/Optical Characteristics $I_f=20mA$ $T_a=25\text{ C}$

Part Number Row Cathode Column Anode	Part Number Row Anode Column Cathode	Emitting Color	Peak Wavelength	Forward Voltage V/Seg.		Luminous Intensity Iv/Seg.	
				Typ.	Max.	Min.	Typ.
SB1000ASG	SB1000BSG	GaAlAs/GaAs Hi-Red	660	1.80	2.20	8.0	12.0
		GaP/GaP Green	570	2.20	2.50	7.0	11.0
SB1000AEG	SB1000BEG	GaAsP/GaP Red	632	2.10	2.50	8.0	12.0
		GaP/GaP Green	570	2.20	2.50	7.0	11.0
Units			nm	V		mcd	

Maximum Ratings $T_a=25\text{ C}$ (Derate above 25 C)

Characteristic	Test Condition	Symbol	S	G	E			Units
Pulse Forward Current Per Dot	1/10duty cycle 0.1ms Pulse width	I_{FP}	100	100	100			mA
DC Forward Current Per Dot		I_F	25	30	30			mA
Reverse Current Per Dot	$V_R=5V$	I_R	10	10	10			μA
Power Dissipation		P_D	60*10	80*10	80*10			mW
Operating Temperature		T_{OPR}	-40 to +80					$^{\circ}C$
Storage Temperature		T_{TSG}	-40 to +85					$^{\circ}C$
Lead soldering temperature	1.60mm from body maximum 3 seconds		260					$^{\circ}C$

Checked Chen N.H.

Approved

Jason Chen

Date

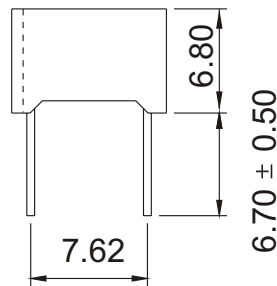
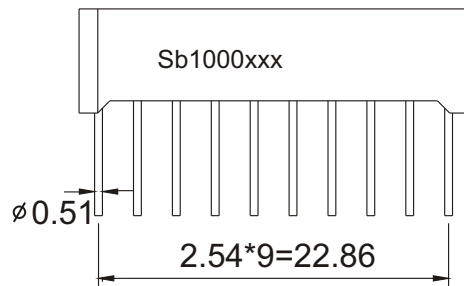
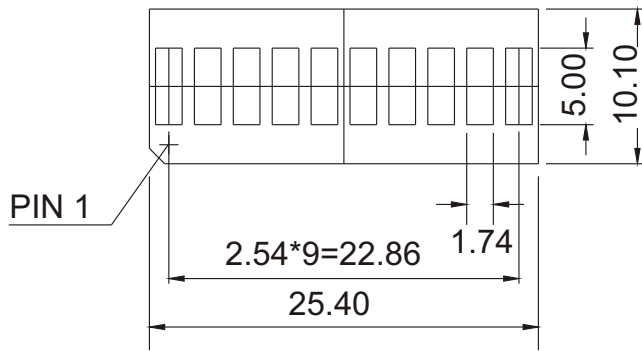
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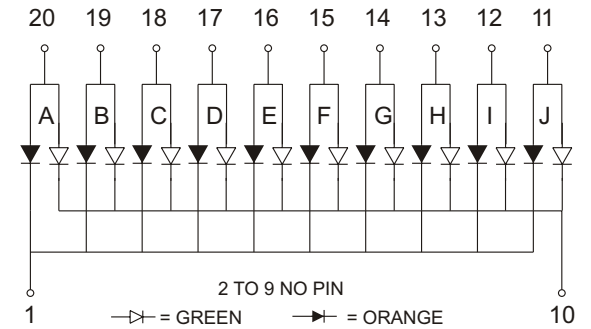
PACKAGE DIMENSION



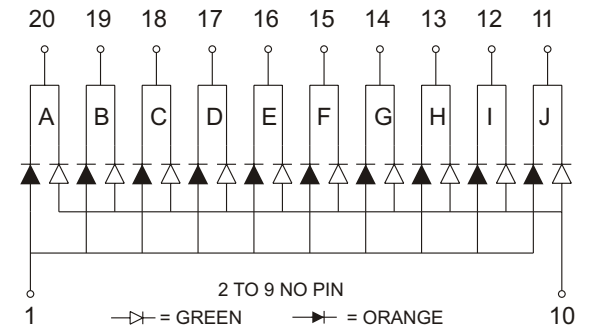
Tolerance $\pm 0.25\text{mm}$ unless stated

INTERNAL CIRCUIT DIAGRAM

Common Cathode SB1000AEG



Common Anode SB1000BEG



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