



10 Bar Graph Displays

MODEL NO : ELB-1001UBDA ECN : Page: 1/4

■ Features :

- Industrial standard size.
- Low power consumption.
- Categorized for luminous intensity.

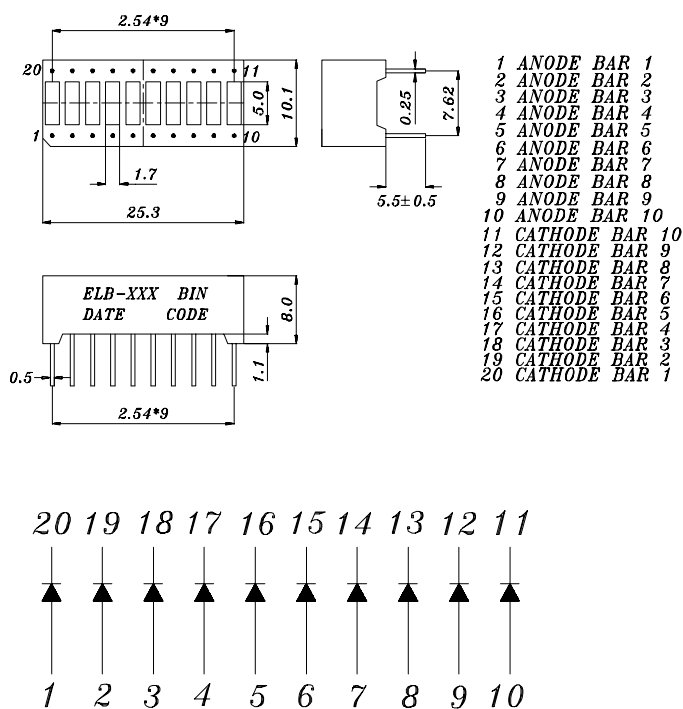
■ Description :

- The ELB-1001 series are ten-element bar graph displays. design for viewing distances up to 7 meters.
- There are separate anodes and cathodes for each light segment and choice of five colors is offered.
- These device is made with blue segments and gray surface.

■ Applications:

- Audio equipment
- Instrument panels
- Digital readout display

■ Package Dimension:



■ NOTES:

1. All dimensions are millimeters, tolerance is 0.25mm unless otherwise noted.
2. Above specification may be changed without notice . Supplier will reserve authority on material change for above specification.

PART NO	CHIP		C.C. or C.A.
	Material	Emitted Color	
ELB-1001UBDA	GaN/Sic Substrate	Blue	*****

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EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DDB-100-006 REV: 1.0

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■ Absolute maximum ratings at Ta = 25°C :

Parameter	Symbol	Rating	Unit
Reverse Voltage	Vr	5	V
Forward Current	If	30	mA
Operating Temperature	Topr	-40 to +85	°C
Storage Temperature	Tstg	-40 to +100	°C
Soldering Temperature	Tsol	260 ± 5	°C
Power Dissipation	Pd	140	mW
Peak Forward Current(Duty 1/10 @ 1KHZ)	If(Peak)	70	mA

■ Electronic optical characteristics :

Parameter	Symbol	MIN.	TYP.	MAX.	Unit	Condition
Luminous Intensity	Iv	11.0	15.0	----	mcd	If=10mA
Peak Wavelength	λ p	----	430	----	nm	If=20mA
Dominant Wavelength	λ d	----	466	----	nm	If=20mA
Spectrum Radiation Bandwidth	△ λ	----	65	----	nm	If=20mA
Forward Voltage	Vf	----	3.8	4.5	V	If=20mA
Reverse Current	Ir	----	----	10	μ A	Vr=5V



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Typical Electro-Optical Characteristic Curves:

