

BRIGHT LED ELECTRONICS CORP.

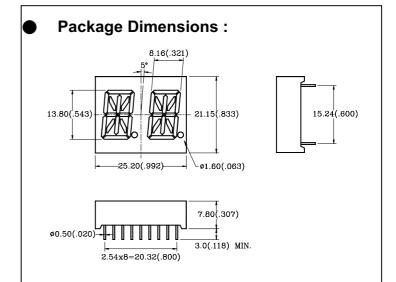
BD-E522RD

Features :

- 1. 0.54 inch (13.80mm) Digit Height.
- 2. Continuous uniform segments.
- 3. Low power requirement.
- 4. Excellent characters appearance.
- 5. Solid state reliability.
- 6. Categorized for luminous intensity.
- 7. Duplex drive common anode.

Description :

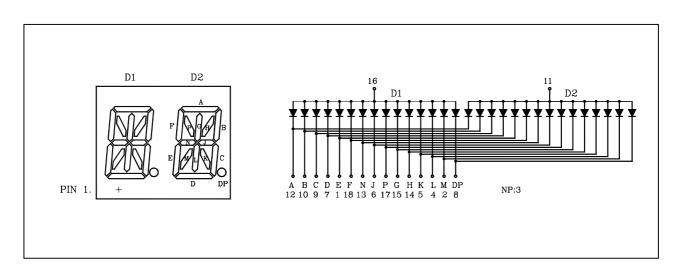
- The BD-E522RD is a 13.80mm(0.54") high dual digit 14-segments alphanumeric display.
- 2. This product use green chips, which are made from GaP on GaP substrate.
- This product have a black face and white segments.



Notes:

- 1. All dimensions are in millimeters(inches).
- 2. Tolerance is ±0.25mm(.01")unless otherwise specified.
- 3. Specifications are subject to change without notice.

Internal Circuit Diagram :





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● Absolute Maximum Ratings(Ta=25°C)

Parameter	Symbol	Rating	Unit
Power Dissipation Per Segment	Pd	80	mW
Forward Current Per Segment	I _F	30	mA
Peak Forward Current Per Segment	I _{FP} (Duty 1/10, 1KHZ)	150	mA
Reverse Voltage Per Segment	V_R	5	V
Operating Temperature	Topr	-40°C~80°C	-
Storage Temperature	Tstg	-40°C ~85°C	-
Soldering Temperature (1/16" From Body)	Tsol	260°C For 5 Seconds	-

● Electrical And Optical Characteristics(Ta=25°C)

Parameter	Symbol	Condition	Min.	Тур.	Max.	Unit
Forward Voltage Per Segment	Vf	I _F =10mA	-	2.1	2.5	٧
Luminous Intensity Per Segment	lv	I _F =10mA	-	3.5	-	mcd
Reverse Current Per Segment	I _R	V _R =5V	-	-	100	μА
Peak Wave Length	λр	I _F =10mA	-	568	-	nm
Dominant Wave Length	λd	I _F =10mA	567	-	572	nm
Spectral Line Half-width	Δλ	I _F =10mA	-	30	-	nm



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Typical Electro-Optical Characteristics Curves

(25°C Ambient Temperature Unless Otherwise Noted)

Fig.1 Relative Radiant Intensity VS. Wavelength

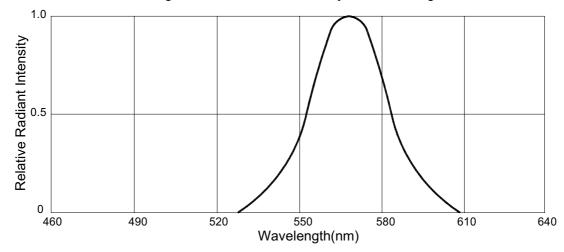


Fig.2 Forward Current VS.
Forward Voltage

40

40

30

1 2 3 4 5

Forward Voltage (V)

