

Full color dot matrix unit

LPM-5763BMU813

The LPM-5763BMU813 is a 24×24 dot matrix display which can be used in a wide range of applications such as video screens, graphic, alphabet, numeric and symbol with no color distribution.

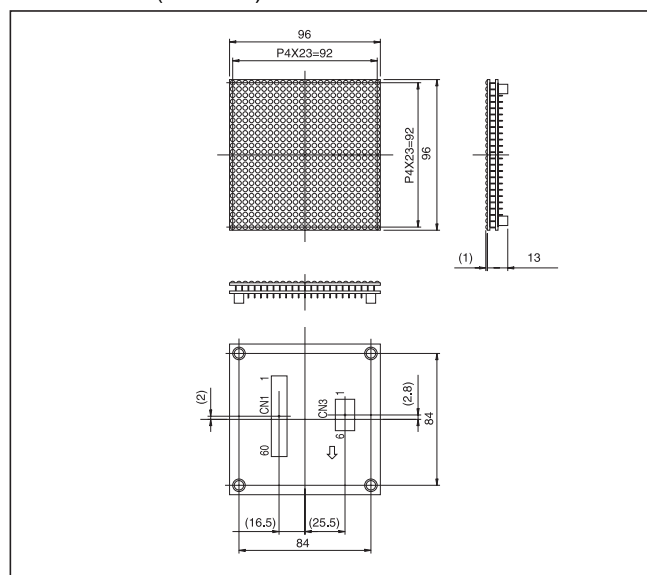
●Applications

For information board at stations, bus terminals and airports
For message board
For graphic display

●Features

- 1) 24×24 dot matrix.
Dot size : $\phi 2.8$
- 2) Dimensions : 96mm×96mm
- 3) Built in color adjustment LSI enables full color display with no color distribution.
- 4) Rohm original Potting lens method make it possible to have High-Contrast & Wide-View(20 1/2=140 degrees) display.
- 5) Over thousand million Colors at display is available by controlling 1,024 gray scale for each color.
- 6) 1 / 24 duty dynamic scan method.
- 7) Brightness adjustment circuit is built-in to adjust the whole panel brightness.

●Dimensions (Unit : mm)



●Products specification

| Part No. | Emitting surface size (mm) | Display | Emitting color | Wavelength (nm) | Dot size (mm) | Dot pitch (mm) | Number of dots (dot) | Control | | LED | | Brightness (cd/m ²) | Operating freq. (MHz) | Drive type |
|----------------|----------------------------|--------------|----------------|-----------------|---------------|----------------|----------------------|---------------------|----------------------------|----------------------|---------------------------|---------------------------------|-----------------------|--|
| | | | | | | | | V _{DD} (V) | I _{CC1} Max. (mA) | V _{LED} (V) | I _{CC2} Max. (A) | | | |
| LPM-5763BMU813 | 96 × 96 | Potting lens | Red | (624) | $\phi 2.8$ | 4 | 24 × 24 | 5 | 400 | 5 | 3.0 | 330 | 10 (Max.) | 1/24 duty (sift resistor type) External and Internal gray levels clock 1024 gray levels |
| | | | Green | (525) | | | | | | | | 890 | | |
| | | | Blue | (471) | | | | | | | | 180 | | |

Notes

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