ROHM
SEMICONDUCTOR

Pure White dot matrix unit

LPM-5123W813

The LPM-5123W813 is a 16×32 dot matrix display which can be used in a wide range of applications such as graphic, alphabet, numeric and symbol with no color distribution.
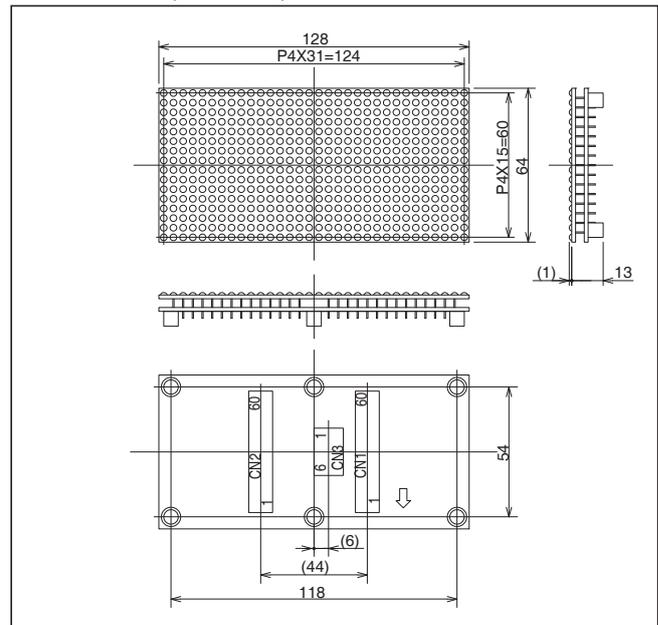
●**Applications**

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

●**Features**

1) 16×32 dot matrix.
   Dot size : ϕ2.8
2) Dimensions : 64mm×128mm
3) Rohm original Potting lens method
   make it possible to have High-Contrast &
   Wide-View (2θ 1/2=140 degrees)display.
4) Enable controlling 1,024 color scale.
   Suitable for gradation display such as smoothing characters.
5) 1 / 16 duty dynamic scan method.
6) Brightness adjustment circuit is built-in to
   adjust the whole panel brightness.

●**Dimensions** (Unit : mm)

●**Product 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/m²)	Operating freq. (MHz)	Drive type
								V_{DD} (V)	I_{CC1} Max. (mA)	V_{LED} (V)	I_{CC2} Max. (A)			
LPM-5123W813	64×128	Potting lens	White	–	ϕ2.8	4	16×32	5	500	5	3.0	1300	10 (Max.)	1/16 duty (sift resister type) External and Internal gray levels clock 1024 gray levels

2012.12 - Rev.B

Notes

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