# Full color dot matrix unit LPM-5123BMU813

The LPM-5123BMU813 is a 16×32 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.

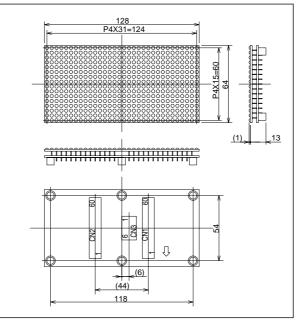
# Applications

For information 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) Built in color adjustment LSI enables full color display with no color distribution.
- 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 / 16 duty dynamic scan method.
- 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			Operating	
								Vdd (V)	Icc1 Max. (mA)	V <sub>LED</sub> (V)	Icc2 Max. (A)	freq.		Drive type
LPM-5123BMU813	64×128	Potting lens	Red	(624)	φ2.8	4	16×32	5	500	5	3.0	330	10 (Max.)	1/16 duty (sift resister type) External and Internal gray levels clock 1024 gray levels
			Green	(525)								890		
			Blue	(471)								180		

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