16×32 dot matrix unit

LPM-5123MU300

The LPM-5123MU300 is a 16×32 dot matrix display which can be used in a wide range of applications, including alphabet, numeric, symbol and graphical displays. A large display can be easily created by arranging a number of these dot matrix displays in an array, and they can be applied to a variety of display purposes. A custom LSI controller has display data memory for two screens, and data for each screen can be written and displayed in turn.

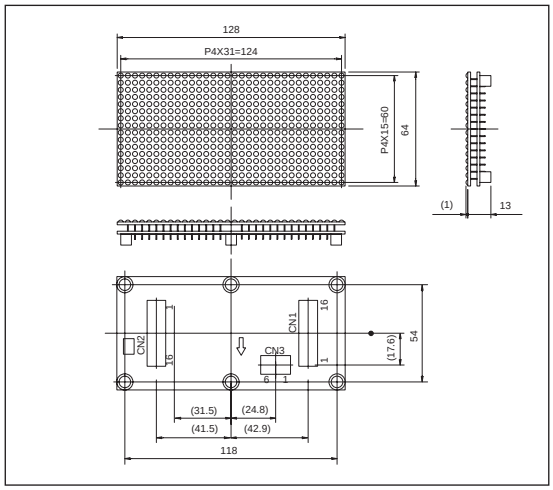
●Applications

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

●Features

1) 16×32 dot matrix.
   Dot size : ϕ2.8mm
2) Dimensions : 64mm×128mm
3) High-Contrast & Wide-View display by Potting lens technology (Rohm original)
4) Support Three-colors (red, green, orange)
5) 1 / 16 duty dynamic scan method.
6) Wide viewing angle.
   (2θ1/2=140 degrees)
7) 4-level brightness control function is built in.

●Dimensions (Unit : mm)



●Product specifications

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)	$I_{CC}1$ Max. (mA)	V_{LED} (V)	$I_{CC}2$ Max. (A)			
LPM-5123MU300	64x128	Potting lens	Red	624	ϕ2.8	4	16x32	5	30	5	3.0	300	20 (Max.)	1/16 duty (Memory type)
			Green	571								300		

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www.rohm.com **Contact us** : webmaster@ rohm.co.jp

ROHM CO., LTD. 21, Saiin Mizosaki-cho, Ukyo-ku, Kyoto 615-8585, Japan
TEL : +81-75-311-2121
FAX : +81-75-315-0172