

LED displays

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.

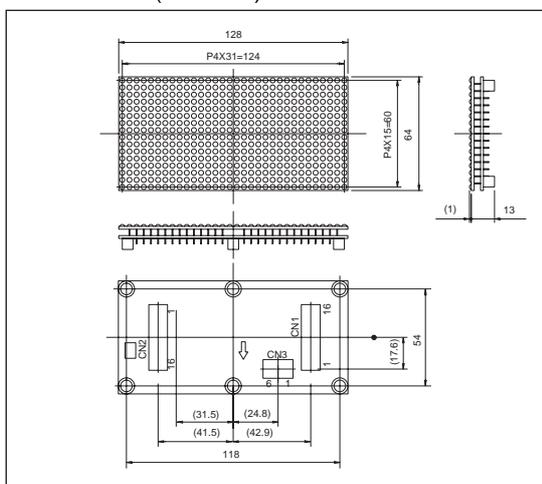
●Applications

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

●Features

- 1) 16×32 dot matrix.
Dot size : $\phi 2.8\text{mm}$
- 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.
($2\theta_{1/2}=140$ 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/m ²)	Operating freq. (MHz)	Drive type
								V _{DD} (V)	I _{CC1} Max. (mA)	V _{LED} (V)	I _{CC2} Max. (A)			
LPM-5123MU300	64x128	Potting lens	Red	624	$\phi 2.8$	4	16x32	5	30	5	3.0	300	20 (Max.)	1/16 duty (Memory type)
			Green	571								300		

Appendix

Notes

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