LED displays

8 x 8 matrix display

LM-2064LB

The LM-2064LB is 8 x 8 matrix displays which can be used in a wide variety of applications, including alphabet, numeric, symbol, and graphic displays. Bright red is available.

●Application

Light sources for displays

●Features

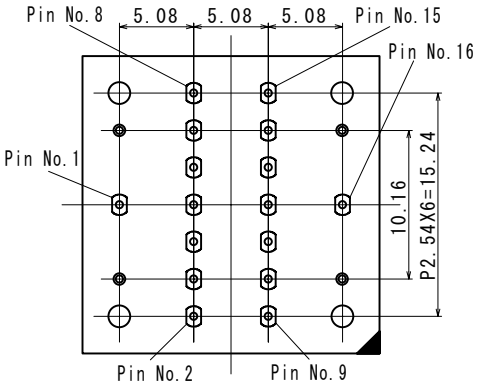
1) 8 x 8 dot matrix Circular emitters
2) External dimensions : 20.3 x 20.3 x 6.3 mm
3) Emitters : Circular, 2.1mm diameter
4) Black package

●Selection guide

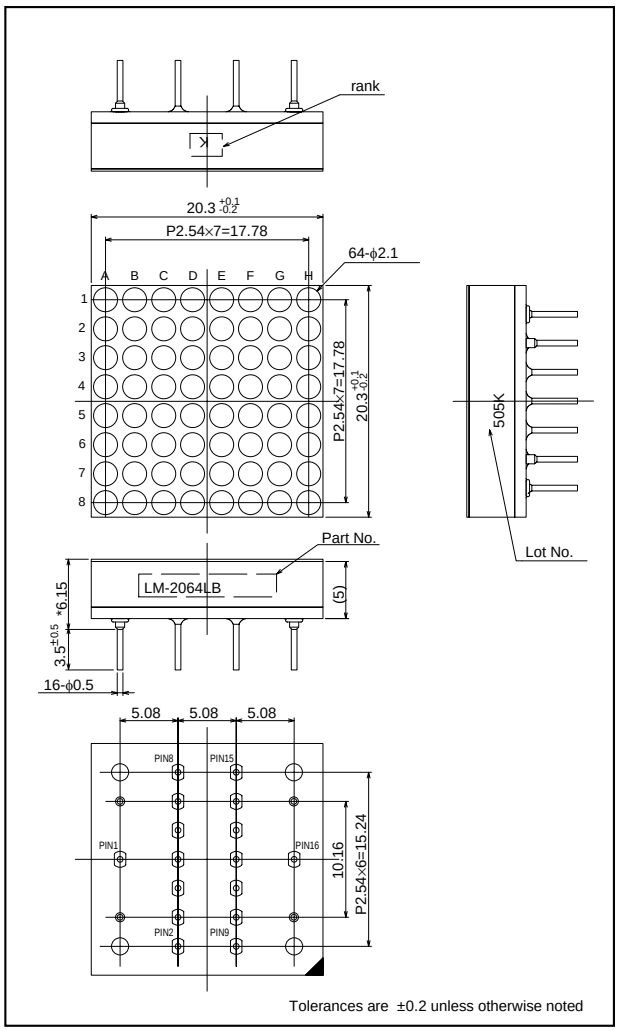
Emitting color / Common	Red*
Anode	LM-2064LB

* High-luminance red

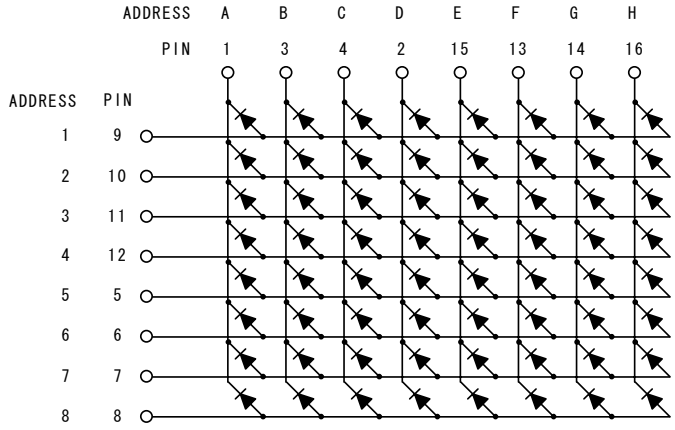
●Pin assignments (Bottom view)



●Dimensions (Unit: mm)



●**Internal circuit schematic**



●**Absolute maximum ratings** (Ta=25°C)

Parameter	Symbol	LB*2	Unit
		Red	
Power dissipation	P_D	75*1	mW/dot
Forward current	I_F	30	mA/dot
Peak forward current	I_{FP}	80*1	mA/dot
Reverse voltage	V_R	4	V
Operating temperature	Topr	–25 to +60	°C
Storage temperature	Tstg	–30 to +85	°C

✻1 Pulse width 1msec duty 1 / 8
✻2 High-luminance red

●**Electrical and optical characteristics** (Ta=25°C)

Parameter	Symbol	Conditions	LB			Unit
			Red			
			Min.	Typ.	Max.	
Forward voltage	V_F	I_F=20mA	–	1.75	2.5	V
Reverse current	I_R	V_R=3V	–	–	100	μA
Peak wavelength	λ_P	I_F=20mA	–	660	–	nm
Spectral line half width	$\Delta\lambda$	I_F=20mA	–	25	–	nm

◎ Not designed for radiation resistance.

●**Luminous intensity**

Color	Type	Min.	Typ.	Max.	Unit
Red	LB	1.7	5.0	–	mcd

Note : Measured at I_F = 20mA

Notes

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