L型印度和DovaSeries供应商

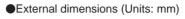
8×8 matrix displays LM-2064 Series

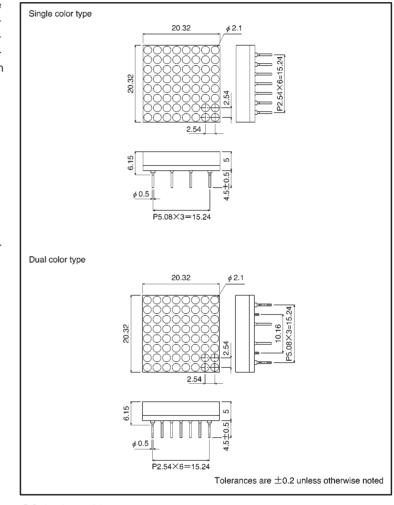
The LM-2064 series are 8×8 matrix displays which can be used in a wide variety of applications, including alphabet, numeric, symbol, and graphic displays. Bright red and green are available, as well as a dual-color red/green type.

Applications
Light sources for displays

Features

- 1) 8×8 dot matrix Circular emitters.
- 2) External dimensions: 20.32 \times 20.32 \times 6.15 mm
- 3) Emitters: Circular, 2.1 mm diameter
- 4) Black package.



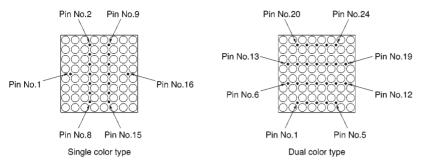


Selection guide

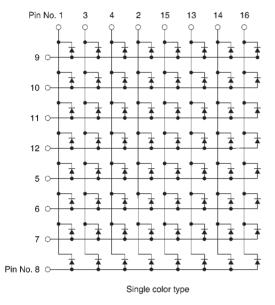
Emitting color Common	Red*	Green	Red / Green	
Anode	LM-2064LB	LM-2064MB	_	
Cathode	_	_	LM-2064MUM	

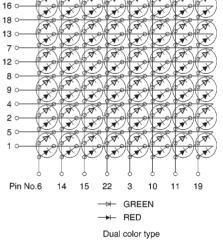
* Bright red

Pin assignments



Internal circuit schematic





ANA

Pin No.

20 ↔ 24 ↔ 21 ↔

23 o

17 °

•Absolute maximum ratings (Ta = 25° C)

Single-color type

Parameter	Symbol	LB	MB	Unit
	Symbol	Red*2	Green	
Power dissipation	Po	1.6	1.4	w
Forward current	١F	30	15	mA
Peak forward current	IFP	80*1	60* ¹	mA
Reverse voltage	VR	4	3	V
Operating temperature	Topr	-20~	ΰ	
Storage temperature	Tstg	-30~	Ĵ	

*1 Pulse width 1msec duty 1 / 8

*2 Bright red



Dual-color type

Parameter	Symbol	ML	Unit	
Farameter	Symbol	Red	Green	
Power dissipation	Po	35	35	mW/dot
Forward current	١F	15	15	mA
Peak forward current	lfp	60*	60*	mA
Reverse voltage	VR	4	4	V
Operating temperature	Topr	-20~	Ĉ	
Storage temperature	Tstg	-25-	Ĉ	

* Pulse width 1msec duty 1 / 8

Electrical and optical characteristics (Ta = 25°C) Single-color type

		Conditions	LB			MB			Unit
Parameter	Symbol		Red*1			Green			
			Min.	Тур.	Max.	Min.	Тур.	Max.	
Forward voltage	VF	I⊧=10mA	_	1.75	2.5	-	2.1	2.8	V
Reverse current	IR	V _R =3V	_	_	100		_	100	μA
Peak wavelength	λP	I⊧=10mA	_	660	_	-	563	_	nm
Spectral line half width	Δλ	I⊧=10mA	_	25	_	-	40	_	nm

 \bigcirc Not designed for radiation resistance.

*1 IF = 20mA

Dual-color type

		Conditions	MUM						
Parameter	Symbol		Red			Green			Unit
			Min.	Тур.	Max.	Min.	Тур.	Max.	
Forward voltage	VF	I⊧=10mA	_	2.0	2.8	_	2.1	2.8	V
Reverse current	IR	V _R =3V	_	_	100	-	_	100	μA
Peak wavelength	λp	I⊧=10mA	_	635	_	-	563	-	nm
Spectral line half width	Δλ	I⊧=10mA	_	40	_	_	40	_	nm

ONot designed for radiation resistance.

Luminous intensity

Color	Туре	Min.	Тур.	Max.	Unit
Red*1	LB	1.7	5.0	_	mcd
Green	MB	0.56	1.6	_	mcd
Red	6 AL 16 A	0.56	1.6	_	mcd
Green	MUM	0.9	2.5	—	mcd

Note: Measured at IF = 10mA

*1 IF = 20mA