



Dot Matrix Displays

Feature

- 8*8 Indoor Display
- Tinted Diffused
- Low power/high brightness

Applications

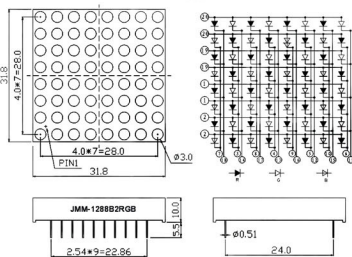
RED GREEN BLUE

Indoor LED display
full color signboard

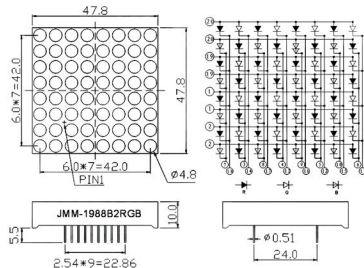
Outline Dimensions

(Unit:mm)

1288B2RGB



1988B2RGB



Absolute Maximum Ratings

Parameter	Symbol	Value		Unit
		1288B2RGB / 1988B2RGB		
Forward Current	IF	25		mA
Peak Forward Current	IFP	100		mA
Reverse Voltage	VR	5		V
Operating Temperature	Topr	-20 to +65		°C
Storage Temperature	Tstg	-30 to +80		°C
Soldering Temperature	Tsld	260±5		°C

Note: *1:IFP Conditions --- Pulse Width \leq 1msec and Duty \leq 1/10.

*2:Soldering time \leq 5 seconds.

Characteristics

(Ta = 25°C)

1288B2RGB	Symbol	Conditions	Min.	Typ.	Max.	Unit
Luminous Intensity *	Iv	R IF=20mA	110	-	640	mcd
		G IF=20mA	510		2900	
		B IF=20mA	120		900	
Reverse Current	IR	VR=5V	-	-	10	μ A
Forward Voltage*	VF	R IF=20mA	-	2.0	2.4	V
		G IF=20mA	-	3.2	4.4	
		B IF=20mA	-	3.2	4.4	
Dominant Wavelength	λ_d	R IF=20mA	615	-	635	nm
		G IF=20mA	515	-	535	
		B IF=20mA	460	-	480	

1988B2RGB	Symbol	Conditions	Min.	Typ.	Max.	Unit
Luminous Intensity *	Iv	R IF=20mA	130	-	740	mcd
		G IF=20mA	560		3400	
		B IF=20mA	140		1200	
Reverse Current	IR	VR=5V	-	-	10	μ A
Forward Voltage*	VF	R IF=20mA	-	2.0	2.4	V
		G IF=20mA	-	3.2	4.4	
		B IF=20mA	-	3.2	4.4	
Dominant Wavelength	λ_d	R IF=20mA	615	-	635	nm
		G IF=20mA	515	-	535	
		B IF=20mA	460	-	480	

Note:* One emitting dot