



YETDA INDUSTRY LTD.

2.3" 4.2x4.2mm 8*8 RGB DOT MATRIX DISPLAY

M-20882BRGB10

DESCRIPTION

- * 2.3" (53.34mm) Inch Matrix Height.
- * Super Bright Red & Ultra Bright Green & Super Bright Blue Dot Matrix.
- * Black Face and Water Clear Dot Color.
- * Row Common Anode.

ABSOLUT MAXIMUM RATINGS AT Ta=25°C

Parameter		UNIT
Power Dissipation Per Dot	40	mW
Peak Forward Current Per Dot	120	mA
Forward current Per Dot (Static)	30	mA
Reverse Voltage Per Dot	5	V
Operation Temperature Range	-25°C TO +80°C	°C
Storage Temperature Range	-25°C TO +100°C	°C
Lead Soldering Temperature	260°C for 3 seconds 1.6mm(1/16 inch) from body	

ELECTRICAL/OPTOTICAL CHARACTERISTIC AT Ta=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	CONDITION	
Average Luminous Intensity	Iv	R		88	96	mcd	If=20mA
		G		140	180		
		B		70	80		
Peak Emission Wavelength	λ d	R		624	627	nm	If=20mA
		G		522	525		
		B		462	465		
Forward Voltage Per Dot	Vf	R	1.7	1.9	2.4	V	If=20mA
		G		3.3	3.8		
		B		3.3	3.8		
Reverse Current Per Dot	Ir			10	uA	Vr=5V	
Luminous Intensity Matching Ratio	Iv-m			2 : 1		If=20mA	

