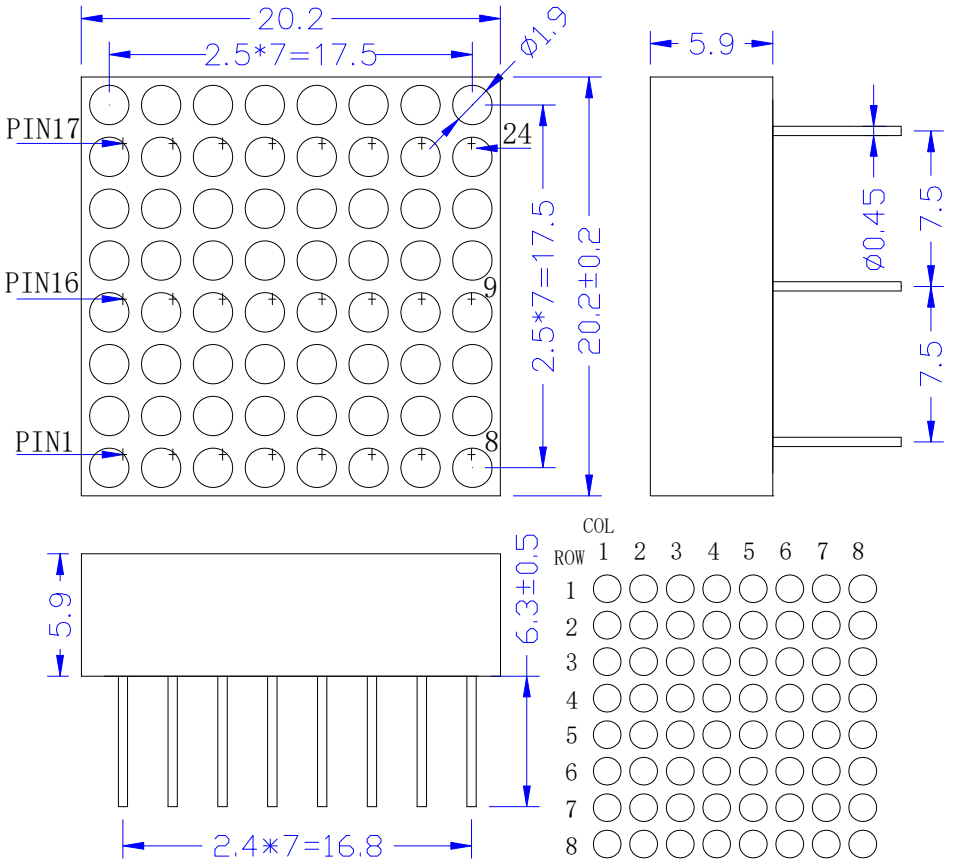
■ Outer Dimension:



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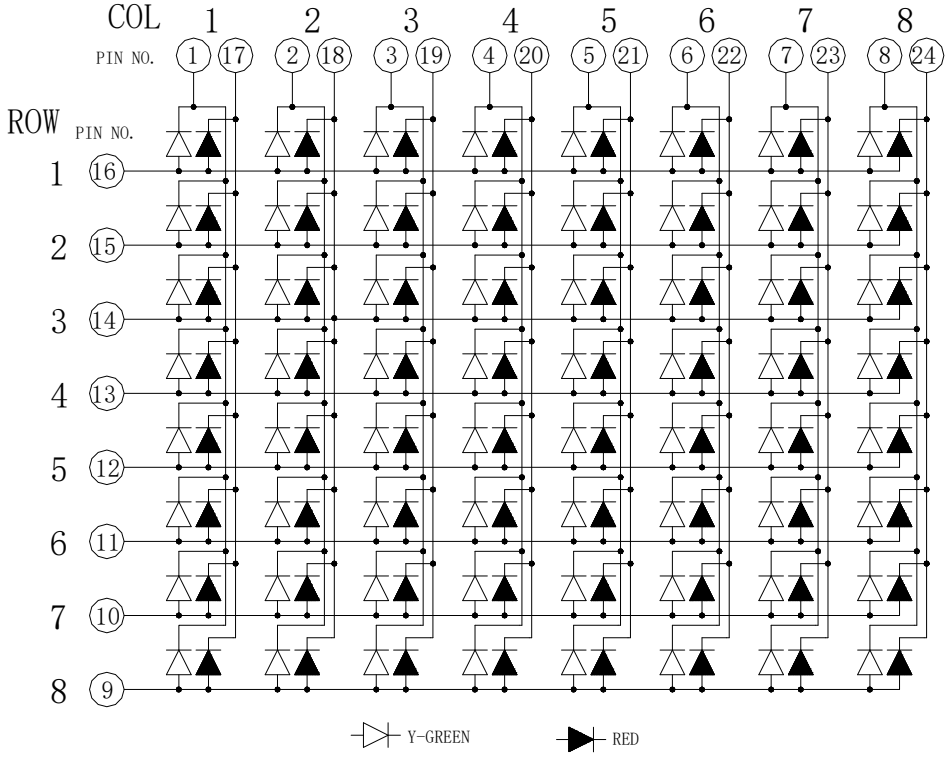
Notes: Unless otherwise stated, The tolerance is ±0.25mm.

■ Circuit Diagram :



■PIN CONNECTION

PIN NO.	CONNECTION	PIN NO.	CONNECTION	PIN NO.	CONNECTION

1	Cathode Col 1 Y-Green	9	Anode Row 8	17	Cathode Col 1 Red
2	Cathode Col 2 Y-Green	10	Anode Row 7	18	Cathode Col 2 Red
3	Cathode Col 3 Y-Green	11	Anode Row 6	19	Cathode Col 3 Red
4	Cathode Col 4 Y-Green	12	Anode Row 5	20	Cathode Col 4 Red
5	Cathode Col 5 Y-Green	13	Anode Row 4	21	Cathode Col 5 Red
6	Cathode Col 6 Y-Green	14	Anode Row 3	22	Cathode Col 6 Red
7	Cathode Col 7 Y-Green	15	Anode Row 2	23	Cathode Col 7 Red
8	Cathode Col 8 Y-Green	16	Anode Row 1	24	Cathode Col 8 Red

■Features:

- . High Reliability
- . Red And Yellow-Green Color Dot Matrix
- . Low Power Requirement
- . Easy Assembly

■Description:

- . 8X8 Dot Matrix
- . ϕ 1.9mm Dot
- . Black Face and Diffuser Epoxy Dots

■Absolute Maximum Rating (Ta=25℃):

Parameter	Symbol	Condition	Gap Green	GapRed	Units
Power Dissipation Per Segment	P_d	—	75	75	mW
Forward Current Per Segment	I_F	—	25	25	mA
Peak Forward Current Per Segment	I_{FP}	1/10 Duty 10KHz	60	60	mA
Reverse Voltage Per Segment	V_R	—	6		V
Operating Temperature Range	Topr	—	-30～+85		℃
Storage Temperature Range	Tstg	—	-30～+85		℃

■ Electrical/Optical Characteristics Rating(Ta=25℃) Gap Yellow-Green

Item	Symbol	Test conditions	Location	Color	Rating			Units
					Min.	Typ.	Max.	
Forward Voltage	V_F	I_F=10mA	Per Dot	Yellow-Green	1.8	2.0	2.5	V
Reverse Current	I_R	V_R=5V	Per Dot	Yellow-Green	—	—	100	μA

Luminous Intensity	I_V	I_F=10mA	Per Dot	Yellow-Green	—	2.5	—	mcd
Peak Emission Wave Length	λ_P	I_F=20mA	Per Dot	Yellow-Green	—	575	—	nm
	λ_D					571		
Spectral Line Half Width	$\triangle\lambda$	I_F=20mA	Per Dot	Yellow-Green	—	20	—	nm
Luminous Intensity Matching Ratio(Segment To Segment)	I_{v-m}	I_F=10mA					2:1	

Gap Red

Item	Symbol	Test conditions	Location	Color	Rating			Units
					Min.	Typ.	Max.	
Forward Voltage	V_F	I_F=10mA	Per Dot	Red	1.8	2.0	2.3	V
Reverse Current	I_R	V_R=5V	Per Dot	Red	—	—	100	μA
Luminous Intensity	I_V	I_F=10mA	Per Dot	Red	—	2.5	—	mcd
Peak Emission Wave Length	λP	I_F=20mA	Per Dot	Red	—	660	—	nm
	λD					640		
Spectral Line Half Width	$\triangle\lambda$	I_F=20mA	Per Dot	Red	—	20	—	nm
Luminous Intensity Matching Ratio(Segment To Segment)	I_{v-m}	I_F=10mA					2:1	

■ Remark: Use only with no-clean solder. Displays are not to be washed or cleaned, may cause segment failure.

■ Pb, Cd, Hg, Cr+6, PBBs, PBDEs 6 Substances Complies To RoHS Standard.

■Soldering Conditions: Soldering Temp. ≦+260℃,Soldering Time. ≦3sec.

(at 2mm Distance from The Case of Reflector Edge)