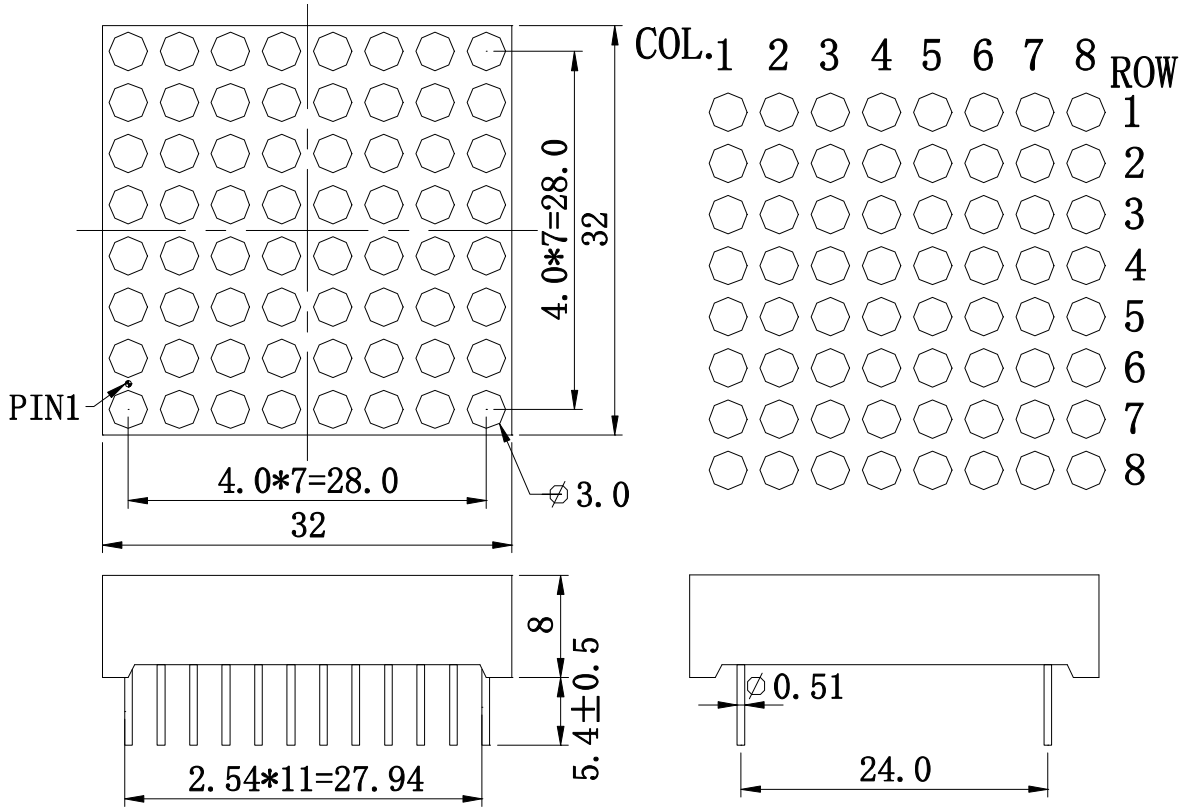
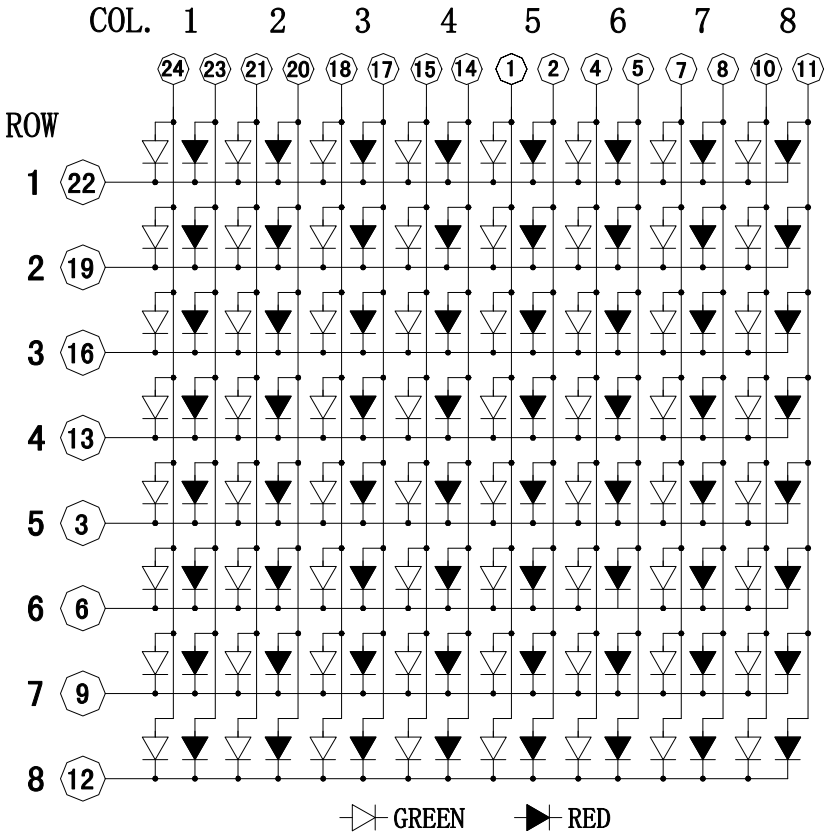
■Outer Dimension:



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

■ Circuit diagram



■Pin Connection:

PIN NO.	CONNECTION	PIN NO.	CONNECTION	PIN NO.	CONNECTION
1	Anode COL5 G	9	Cathode ROW 7	17	Anode COL3 R

2	Anode COL5 R	10	Anode COL8 G	18	Anode COL3 G
3	Cathode ROW 5	11	Anode COL8 R	19	Cathode ROW 2
4	Anode COL6 G	12	Cathode ROW 8	20	Anode COL2 R
5	Cathode COL6 R	13	Cathode ROW 4	21	Anode COL2 G
6	Cathode ROW 6	14	Anode COL4 R	22	Cathode ROW 1
7	Anode COL7 G	15	Anode COL4 G	23	Anode COL1 R
8	Anode COL7 R	16	Cathode ROW 5	24	Anode COL1 G

■ Features:

- **High Reliability**
- **Color: Dual Color (Yellow Green and Red) Dot Matrix**
- **Low Power Requirement**

■ Description:

- **8X8Dot Matrix Common Anode Row**
- **ϕ3.0mm Dot and Pitch 4.0mm**
- **Black Face and Diffuser Epoxy Dots**

■ Absolute Maximum Rating (Ta=25℃):

Parameter	Symbol	Condition	Color	Rating	Units
Maximal Power Dissipation (When completely Lighting) Per Dot	P_d	—	Yellow Green	20.8	mW
			Red	16	
Maximal Forward Current (When completely Lighting) Per Dot	I_F	—	Yellow Green	8	mA
			Red	8	
Derating Of If Per Dot	$\triangle I_F$	Ta≧25℃	Yellow Green	0.05	mA/℃
			Red	0.05	
Peak Forward Current Per Dot	I_{FP}	1/8Duty 10khz	Yellow Green	60	mA
			Red	60	
Reverse Voltage Per Dot	V_R	—	Yellow Green	5	V
			Red	5	
Operating Temperature Range	Topr	—	—	-35～+85	℃
Storage Temperature Range	Tstg	—	—	-35～+85	℃

■ Electrical/Optical Characteristics Rating(Ta=25℃)

Item	Symbol	Test conditions	Location	Color	Rating			Units
					Min.	Typ.	Max.	
Forward Voltage	V_F	I_F=20mA	Per Dot	Yellow Green	1.80	2.25	2.60	V
				Red	—	1.80	2.00	
Reverse Current	I_R	V_R=5V	Per Dot	Yellow Green	—	—	100	μA
				Red	—	—	100	

Luminance	**L**	**1/8 Duty I_{FP}=20mA**	**Per Module**	**Yellow Green + Red**	—	—	—	**cd/m^2**
Wave Length	λ_P	**I_F=20mA**	**Per Dot**	**Yellow Green**	—	**568/573**	—	**nm**
	λ_d			**Red**	—	**660/643**	—	
Spectral Line Half Width	$\triangle\lambda$	**I_F=20mA**	**Per Dot**	**Yellow Green**	—	**30**	—	**nm**
				Red	—	**20**	—	
Luminance Matching Ratio (Dot to Dot)	**I_{v-m}**	**1/8 Duty I_{FP}=20mA**					**2:1**	

■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)