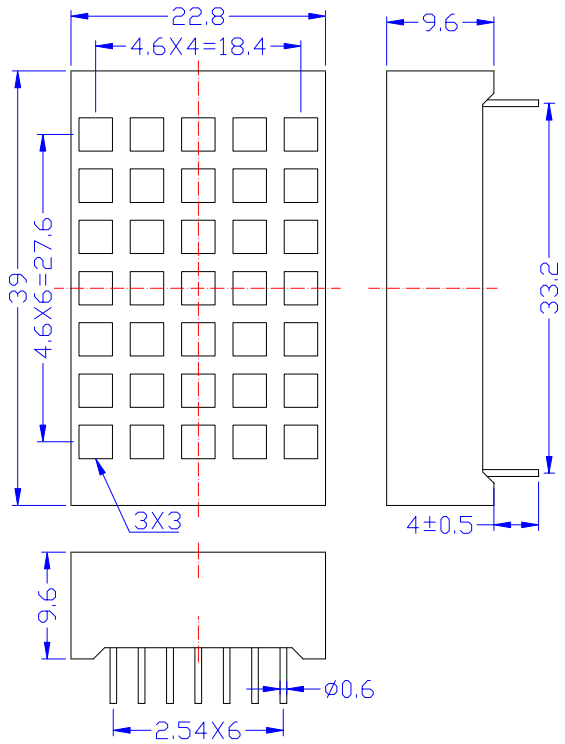
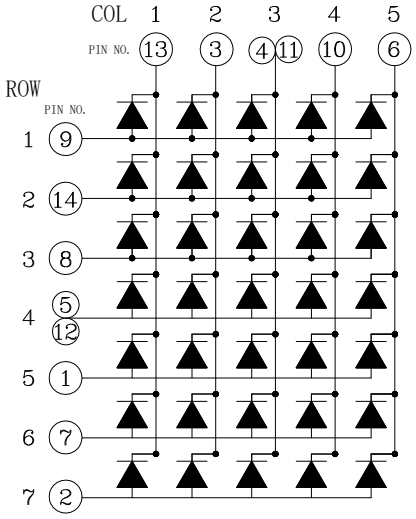
■ Outer Dimension:



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

■ Circuit Diagram :



■PIN CONNECTION

PIN NO.	CONNECTION	PIN NO.	CONNECTION	PIN NO.	CONNECTION
1	Cathode Row5	6	Anode Col 5	11	Anode Col 3
2	Cathode Row7	7	Cathode Row6	12	Cathode Row4
3	Anode Col 2	8	Cathode Row3	13	Anode Col 1
4	Anode Col 3	9	Cathode Row1	14	Cathode Row2
5	Cathode Row4	10	Anode Col 4		

■Features:

- **High Reliability**
- **Amber Color Dot Matrix**

- **Low Power Requirement**
- **Flat Package and Light Weight**
- **Easy Assembly**

■Description:

- **5X7 Dot Matrix**
- **3X3mm Dot and Pitch 4.6mm**
- **Black Face and Diffuser Epoxy Dots**

■Absolute Maximum Rating (Ta=25℃):

Parameter	Symbol	Condition	Color	Rating	Units
Maximal Power Dissipation	P_d	—	Amber	60	mW
Maximal Forward Current	I_F	—	Amber	20	mA
Derating Of If Per Dot	$\triangle I_F$	Ta≧25℃	Amber	0.30	mA/℃
Peak Forward Current Per Dot	I_F	1/10Duty 10Khz	Amber	100	mA
Reverse Voltage Per Dot	V_R	—	Amber	5	V
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	Amber	1.8	2.2	2.6	V
Reverse Current	I_R	V_R=5V	Per Dot	Amber	—	—	100	μA
Luminous Intensity	I_v	I_F=10mA	Per Dot	Amber	—	10	—	mcd
Wave Length	λD	IF=20mA	Per Dot	Amber	600	605	611	nm
Spectral Line Half Width	△λ	I_F=20mA	Per Dot	Amber	—	30	—	nm
Luminous Intensity Matching Ratio(Dot to Dot)	I_{v-m}	I_{FP}=10mA	—	—	—	—	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)