

KLM - 096LA - 16A

This module designed for light emitting display device. Organize with 16 × 16 matrix combination with 256 of Dual(Red, Green) LAMPs for use semi - outdoor or indoor in where is isolated the direct ray of light

FEATURES

- Active display size : 96mm × 96mm
- Dot size : ø 5
- Dot pitch : 6mm
- Display color : RED, GREEN, AMBER(Mixed color)
- Duty rate : 1/16
- Dot matrix : 256(16 × 16)
- Weight : 176g(Typ.)
- With a simple serial - inter face.

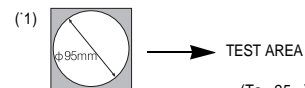
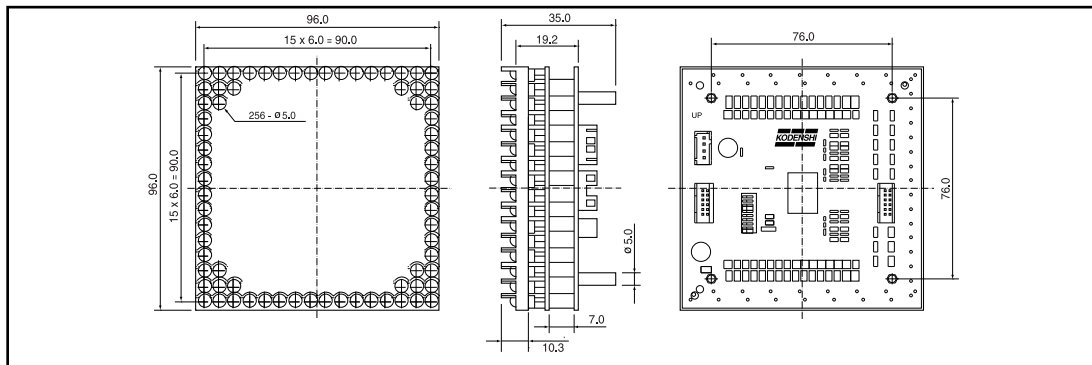
MAXIMUM RATINGS

(Ta=25)

| ITEM | SYMBOL | RATINGS | UNIT | COND. |
|-----------------------|------------------|-------------------------|------|-------|
| Power dissipation | P _d | 18 | W | |
| Supply voltage(DRIVE) | V _{DD} | 6 | V | |
| Supply voltage(LED) | V _{LED} | 6 | V | |
| Logic input power | V _{in} | - 0.5 ~ V _{DD} | V | |
| Junction Temp. | T _J | 115 | | |
| Operating Temp. | T _{opr} | - 20 ~ + 65 | | |
| Storage Temp. | T _{stg} | - 20 ~ + 70 | | |

DIMENSIONS

(Unit : mm)



OPTICAL CHARACTERISTICS

(Ta=25)

| ITEM | SYMBOL | CONDITION | MIN. | TYP. | MAX. | UNIT. |
|-----------------------|--------|-----------------------|------|------|------|------------------------|
| Bright - ness(16× 16) | GREEN | V _{DD} = 5V | - | 300 | - | cd/m ² · 1' |
| | RED | | - | 430 | - | |
| | AMVER | | - | 480 | - | |
| Dot - Balance | GREEN | V _{LED} = 5V | - | - | 2 | - |
| | RED | | - | - | 2 | |
| | AMBER | | - | - | 2 | |
| Emission Wavelength | GREEN | | - | 569 | - | nm |
| | RED | | - | 650 | - | |
| Spectrum half - band | GREEN | | - | 25 | - | nm |
| | RED | | - | 40 | - | |

