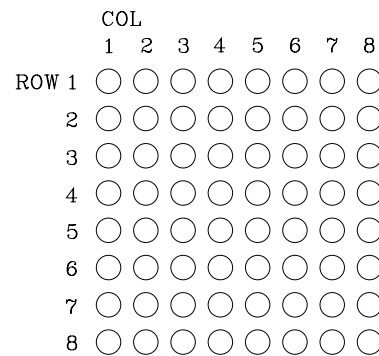
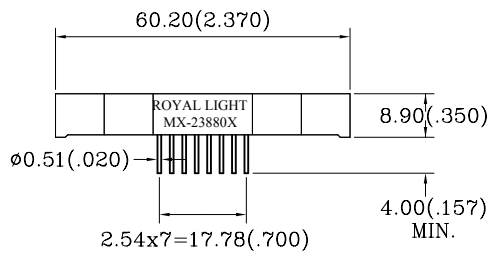
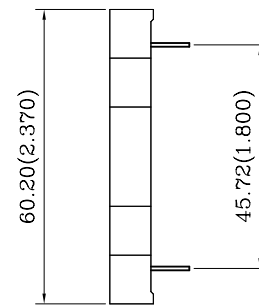
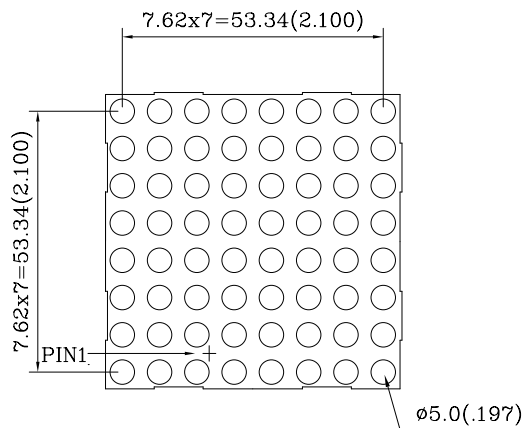




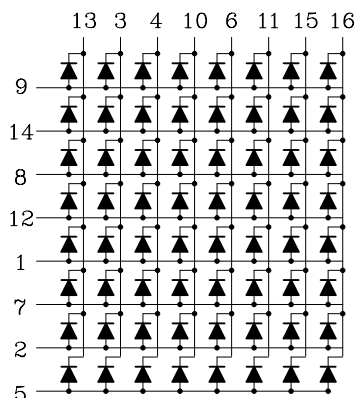
## Single Color 8x8 Dot Matrix Display

| Digit<br>Size              | Part No.          |                 | Chip            |                  | Wave<br>Length<br>$\lambda_p$ (nm) | Absolute Maximun Ratings |          |          |            | Electro-Optical<br>Characteristics |      |               | Figure<br>No. |
|----------------------------|-------------------|-----------------|-----------------|------------------|------------------------------------|--------------------------|----------|----------|------------|------------------------------------|------|---------------|---------------|
|                            | Common<br>Cathode | Common<br>Anode | Raw<br>Material | Emitted<br>Color |                                    | $\Delta\lambda$<br>nm    | Pd<br>nW | If<br>mA | If<br>Peak | Vf(V)                              |      | Iv( $\mu$ cd) |               |
|                            |                   |                 |                 |                  |                                    |                          |          |          |            | Typ.                               | Max. | Typ.          |               |
| 2.3"<br>High<br>$\phi 5.0$ | MC-23880H         | MA-23880H       | Gap             | Bright Red       | 700                                | 90                       | 45       | 15       | 50         | 2.1                                | 2.8  | 1000          | MD-16         |
|                            | MC-23880E         | MA-23880E       | GaAsP/Gap       | Hi.effi Red      | 635                                | 45                       | 100      | 30       | 160        | 2.0                                | 2.8  | 3600          |               |
|                            | MC-23880G         | MA-23880G       | Gap             | Green            | 565                                | 30                       | 100      | 30       | 160        | 2.1                                | 2.8  | 3400          |               |
|                            | MC-23880Y         | MA-23880Y       | GaAsP/Gap       | Yellow           | 585                                | 30                       | 100      | 30       | 160        | 2.1                                | 2.8  | 3400          |               |
|                            | MC-23880SR        | MA-23880SR      | GaAlAs          | Super Red        | 660                                | 20                       | 60       | 20       | 160        | 1.8                                | 2.4  | 10000         |               |

### MD-16



### MC-23880X



### MA-23880X

