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**DISPLAY  
 WX640480A**

## General Specification

| ITEM              | STANDARD VALUE           | UNIT   |
|-------------------|--------------------------|--------|
| Number of dots    | 640x480                  | pixels |
| Outline dimension | 205.5(W)x141.0(H)x6.5(T) | mm     |
| View area         | 151.0(W)x113.4(H)        | mm     |
| Active area       | 147.18(W)x 110.38(H)     | mm     |
| Pixel size        | 0.23(W)x 0.23(H)         | mm     |
| Pixel pitch       | 0.21(W)x 0.21(H)         | mm     |

## Electrical Characteristics

| ITEM                                  | SYMBOL          | CONDITION                         | MIN.        | TYP. | MAX.        | UNIT |
|---------------------------------------|-----------------|-----------------------------------|-------------|------|-------------|------|
| Logic Voltage                         | $V_{DD}-V_{SS}$ |                                   | 4.75        | 5.0  | 5.25        | V    |
| Supply Voltage For LCD                | $V_{EE}-V_{SS}$ | Ta=0                              |             |      |             | V    |
|                                       |                 | Ta=25                             |             | 23.0 |             | V    |
|                                       |                 | Ta=+50                            |             |      |             | V    |
| Input High Volt.                      | $V_{IH}$        |                                   | $0.8V_{DD}$ |      | $V_{DD}$    | V    |
| Input Low Volt.                       | $V_{IL}$        |                                   | 0           |      | $0.2V_{DD}$ | V    |
| Output High Volt.                     | $V_{OH}$        |                                   | 2.4         |      |             | V    |
| Output Low Volt.                      | $V_{OL}$        |                                   |             |      | 0.4         | V    |
| Current consumption<br>(Typical case) | $I_{DD}$        | Turn on<br>all pixel              |             | 1.02 |             | mA   |
|                                       | $I_{EE}$        |                                   |             | 12.9 |             | mA   |
| Current consumption<br>(Max case 1)   | $I_{DD}$        | Horizontal<br>stripe              |             | 1.10 |             | mA   |
|                                       | $I_{EE}$        |                                   |             | 27.1 |             | mA   |
| Power consumption                     |                 | VDD=5V<br>VEE=25.5V<br>IEL=5mArms |             | 2.6  |             | W    |



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