

# LED DISPLAYS:ELC-86806 SERIES

## ELECTRICAL AND OPTICAL CHARACTERISTICS (Ta=25°C)

| Part No.    | Emittd<br>Color | PeakWave<br>Length | Epoxy<br>Color | Surface<br>Color | $\Delta\lambda$<br>(nm) | Pd<br>(mW) | If<br>(mA) | Peak<br>(mA) | Vf(V) |     | IV(mcd) |     |
|-------------|-----------------|--------------------|----------------|------------------|-------------------------|------------|------------|--------------|-------|-----|---------|-----|
|             |                 |                    |                |                  |                         |            |            |              | Min   | Max | Min     | Max |
| ELC-86806R  | Red             | 620-630            | White          | Black            | 10                      | 35         | 20         | 60           | 1.8   | 2.0 | 82      | 92  |
| ELC-86806O  | Orange          | 600-610            | White          | Black            | 10                      | 35         | 20         | 60           | 1.8   | 2.0 | 85      | 95  |
| ELC-86806Y  | Yellow          | 585-595            | White          | Black            | 10                      | 35         | 20         | 60           | 1.8   | 2.0 | 88      | 98  |
| ELC-86806G  | Olivine         | 565-575            | White          | Black            | 10                      | 35         | 20         | 60           | 1.8   | 2.0 | 10      | 20  |
| ELC-86806GG | Emerald         | 515-525            | White          | Black            | 10                      | 55         | 20         | 60           | 2.6   | 2.8 | 215     | 225 |
| ELC-86806B  | Blue            | 460-470            | White          | Black            | 10                      | 55         | 20         | 60           | 2.6   | 2.8 | 15      | 25  |
| ELC-86806W  | White           | -                  | -              | Black            | -                       | 55         | 20         | 60           | 2.6   | 2.8 | -       | -   |

### ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

| ReverseVoltage | ReverseCurrent<br>(V <sub>R</sub> =5V) | OperatingTemperature<br>Range | StorageTemperature<br>Range | Lead Soldering<br>Temperature |
|----------------|----------------------------------------|-------------------------------|-----------------------------|-------------------------------|
| 5V             | 20 μ A                                 | -20℃~+80℃                     | -30℃~+80℃                   | 255 ℃ For 3 seconds           |

PACKAGE DIMENSION (Unit: millimeters, Tolerance :  $\pm 0.25\text{mm}$ )