



## LED DISPLAYS:ELF-3461A/B SERIES

### ELECTRICAL AND OPTICAL CHARACTERISTICS (Ta=25℃)

| Part No.    | Emittd Color | PeakWave Length | Epoxy Color | Surface Color | Common Electrode | $\Delta\lambda$ (nm) | Pd (mW) | If (mA) | Peak (mA) | Vf(V) |     | IV(mcd) |     |
|-------------|--------------|-----------------|-------------|---------------|------------------|----------------------|---------|---------|-----------|-------|-----|---------|-----|
|             |              |                 |             |               |                  |                      |         |         |           | Min   | Max | Min     | Max |
| ELF-3461AS  | Red          | 620-630         | White       | Black         | Cathode          | 10                   | 35      | 20      | 60        | 1.8   | 2.0 | 82      | 92  |
| ELF-3461AO  | Orange       | 600-610         | White       | Black         | Cathode          | 10                   | 35      | 20      | 60        | 1.8   | 2.0 | 85      | 95  |
| ELF-3461AY  | Yellow       | 585-595         | White       | Black         | Cathode          | 10                   | 35      | 20      | 60        | 1.8   | 2.0 | 88      | 98  |
| ELF-3461AG  | Olivine      | 565-575         | White       | Black         | Cathode          | 10                   | 35      | 20      | 60        | 1.8   | 2.0 | 10      | 20  |
| ELF-3461AGG | Emerald      | 515-525         | White       | Black         | Cathode          | 10                   | 55      | 20      | 60        | 2.6   | 2.8 | 215     | 225 |
| ELF-3461AB  | Blue         | 460-470         | White       | Black         | Cathode          | 10                   | 55      | 20      | 60        | 2.6   | 2.8 | 15      | 25  |
| ELF-3461AW  | White        | -               | -           | Black         | Cathode          | -                    | 55      | 20      | 60        | 2.6   | 2.8 | -       | -   |
| ELF-3461BS  | Red          | 620-630         | White       | Black         | Anode            | 10                   | 35      | 20      | 60        | 1.8   | 2.0 | 82      | 92  |
| ELF-3461BO  | Orange       | 600-610         | White       | Black         | Anode            | 10                   | 35      | 20      | 60        | 1.8   | 2.0 | 85      | 95  |
| ELF-3461BY  | Yellow       | 585-595         | White       | Black         | Anode            | 10                   | 35      | 20      | 60        | 1.8   | 2.0 | 88      | 98  |
| ELF-3461BG  | Olivine      | 565-575         | White       | Black         | Anode            | 10                   | 35      | 20      | 60        | 1.8   | 2.0 | 10      | 20  |
| ELF-3461BGG | Emerald      | 515-525         | White       | Black         | Anode            | 10                   | 55      | 20      | 60        | 2.6   | 2.8 | 215     | 225 |
| ELF-3461BB  | Blue         | 460-470         | White       | Black         | Anode            | 10                   | 55      | 20      | 60        | 2.6   | 2.8 | 15      | 25  |
| ELF-3461BW  | White        | -               | -           | Black         | Anode            | -                    | 55      | 20      | 60        | 2.6   | 2.8 | -       | -   |

### ABSOLUTE MAXIMUM RATINGS (Ta=25℃)

| ReverseVoltage | ReverseCurrent (VR=5V) | OperatingTemperature Range | StorageTemperature Range | Lead Soldering Temperature |
|----------------|------------------------|----------------------------|--------------------------|----------------------------|
| 5V             | 20 $\mu$ A             | -20℃~+80℃                  | -30℃~+80℃                | 255 ℃ For 3 seconds        |

### PACKAGE DIMENSION (Unit: millimeters, Tolerance : $\pm 0.25$ mm)

