

**Light color : Red    Color**

**Absolute maximum rating ( Ta=25℃ )**

- Reverse current : 100  $\mu$ A
- Peak current ( duty=0.1,1KHz ) : 100 mA
- Operating/Storage temperature range : -30℃~ +85℃
- Derating linear from 25℃ : 0.4 mA/℃
- Lead soldering temperature range : 260℃ for 5 second

**Electro-optical characteristics ( TA=25℃ )**

**RED COLOR :**

| Parameter                | Symbol         | Min | Typ. | Max  | Unit | Test Condition        |
|--------------------------|----------------|-----|------|------|------|-----------------------|
| Forward voltage          | $V_F$          | ❖   | 2.00 | 2.25 | V    | $I_F = 20 \text{ mA}$ |
| Luminous intensity       | $I_V$          |     | 1200 | ❖    | mcd  | $I_F = 20 \text{ mA}$ |
| Peak emission wavelength | $\lambda_p$    |     | 630  | 635  | nm   | ❖                     |
| Half intensity angle     | $\Delta\theta$ | ❖   | 20   | ❖    | deg  | ❖                     |

**Direct Current Characteristics**

| Parameter         | Symbol    | Min | Typ. | Max | Unit | Remarks             |
|-------------------|-----------|-----|------|-----|------|---------------------|
| Operating voltage | $V_{DD}$  | 2.0 | 3.5  | 4.0 | V    | ❖                   |
| Driver Current    | $I_{ol}$  |     | 25   |     | mA   | @ $V_{DS}=1.2V$     |
| Power Consumption | $P_o$     |     | 120  |     | mW   | $V_{DD}=4.5V$       |
| Flash Frequency   | $F_{tet}$ |     | 1.5  | ❖   | Hz   | External $\pm 30\%$ |

Flash Picture

Application diagram or Dimensions

