



●Electrical and optical characteristics (Ta = 25°C)

| Parameter                | Symbol          | Conditions        | Red  |      |      | Green |      |      | Unit          |
|--------------------------|-----------------|-------------------|------|------|------|-------|------|------|---------------|
|                          |                 |                   | Min. | Typ. | Max. | Min.  | Typ. | Max. |               |
| Forward voltage          | $V_F$           | $I_F=10\text{mA}$ | —    | 2.0  | 3.0  | —     | 2.1  | 3.0  | V             |
| Reverse current          | $I_R$           | $V_R=3\text{V}$   | —    | —    | 10   | —     | —    | 10   | $\mu\text{A}$ |
| Peak wavelength          | $\lambda_P$     | $I_F=10\text{mA}$ | —    | 650  | —    | —     | 563  | —    | nm            |
| Spectral line half width | $\Delta\lambda$ | $I_F=10\text{mA}$ | —    | 40   | —    | —     | 40   | —    | nm            |
| Viewing angle            | $2\theta_{1/2}$ | Diffused          | —    | 40   | —    | —     | 40   | —    | deg           |
| Luminous intensity       | $I_v$           | $I_F=10\text{mA}$ | 2.2  | 6.3  | —    | 3.6   | 10   | —    | mcd           |

●Luminous intensity vs. wavelength

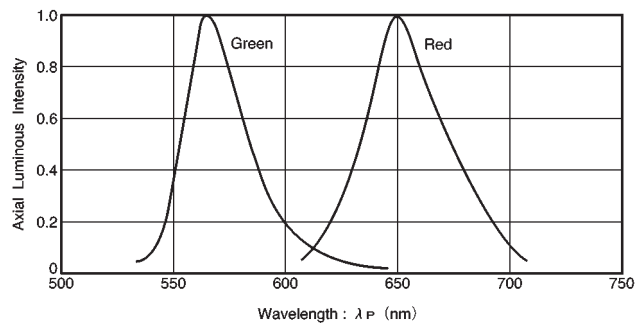


Fig. 1

●Directional pattern

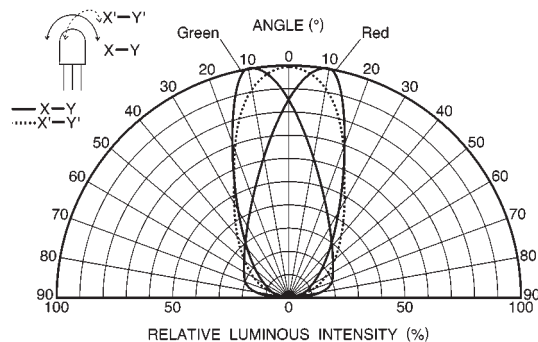


Fig.2

●Electrical characteristic curves (red, green)

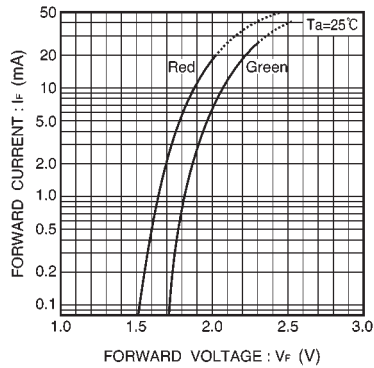


Fig. 3 Forward current vs. forward voltage

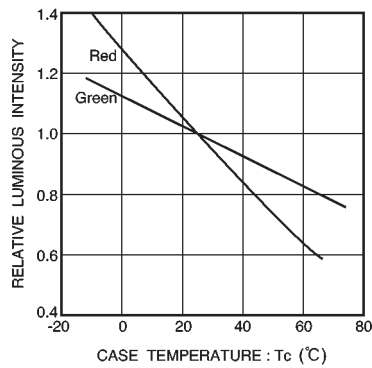


Fig. 4 Luminous intensity vs. case temperature

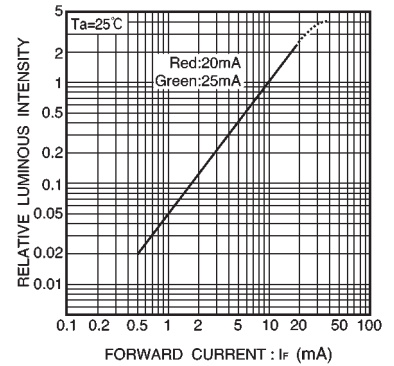


Fig. 5 Luminous intensity vs. forward current

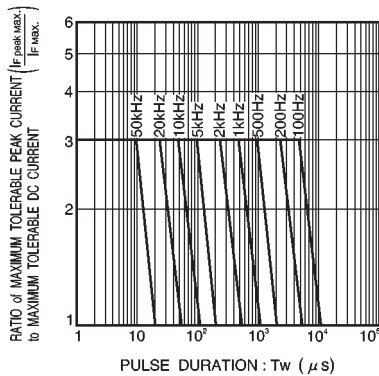


Fig. 6 Maximum tolerable peak current vs. pulse duration (red)

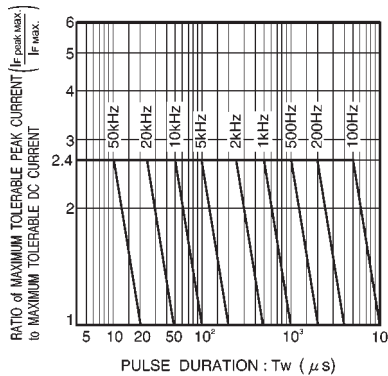


Fig. 7 Maximum tolerable peak current vs. pulse duration (green)

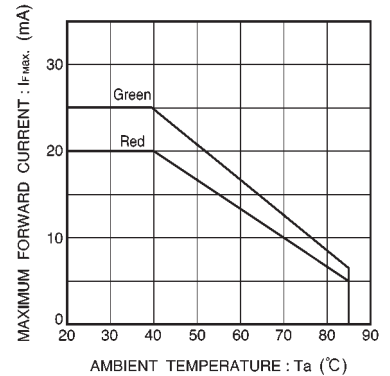


Fig. 8 Maximum forward current vs. ambient temperature