

## Page 1 of 2



\* Specifications subject to change without notice. Dimensions are in mm  $\pm 0.25$  unless stated otherwise.

**Absolute Maximum Ratings at  $T_a = 25\text{ }^{\circ}\text{C}$** 

| Parameter                                                                 | Symbol       | Rating      | Units              |
|---------------------------------------------------------------------------|--------------|-------------|--------------------|
| Forward Current                                                           | $I_F$        | 30          | mA                 |
| Operating Temperature                                                     | $T_{opr}$    | -40 to +85  | $^{\circ}\text{C}$ |
| Storage Temperature                                                       | $T_{stg}$    | -40 to +100 | $^{\circ}\text{C}$ |
| Soldering Temperature<br>(soldering time $\leq 5$ seconds)                | $T_{sol}$    | $260 \pm 5$ | $^{\circ}\text{C}$ |
| Power Dissipation                                                         | $P_d$        | 100         | mW                 |
| Peak Forward Current<br>(Pulse Width $\leq 1$ msec and Duty $\leq 1/10$ ) | $I_F$ (Peak) | 160         | mA                 |
| Reverse Voltage                                                           | $V_R$        | 5           | V                  |

**Electro-Optical Characteristics ( $T_a = 25\text{ }^{\circ}\text{C}$ )**

| Parameter                    | Symbol          | Min. | Typ. | Max. | Units         | Condition            |
|------------------------------|-----------------|------|------|------|---------------|----------------------|
| Luminous Intensity           | $I_v$           | 100  | 160  | —    | mcd           | $I_F = 20\text{ mA}$ |
| Viewing Angle                | $2\theta_{1/2}$ | —    | 24   | —    | deg           | $I_F = 20\text{ mA}$ |
| Peak Wavelength              | $\lambda_p$     | —    | 585  | —    | nm            | $I_F = 20\text{ mA}$ |
| Dominant Wavelength          | $\lambda_d$     | —    | 590  | —    | nm            | $I_F = 20\text{ mA}$ |
| Spectrum Radiation Bandwidth | $\Delta\lambda$ | —    | 35   | —    | nm            | $I_F = 20\text{ mA}$ |
| Forward Voltage              | $V_F$           | 1.7  | 2.0  | 2.4  | V             | $I_F = 20\text{ mA}$ |
| Reverse Current              | $I_R$           | —    |      | 10   | $\mu\text{A}$ | $V_R = 5\text{ V}$   |

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