

ZD1800 DATASHEET:

Absolute Maximum Ratings at Ta=25°C

| Parameter | Symbol | Rating | Unit |
|--|--------------|---------|------|
| Continuous Forward Current | I_F | 50 | mA |
| Operating Temperature | T_{opr} | -40~+80 | °C |
| Storage Temperature | T_{stg} | -40~+80 | °C |
| Soldering Temperature | T_{sol} | 260±5 | °C |
| Power Dissipation | P_D | 100 | mW |
| Peak Forward Current (Duty 1/10@1KHz) | I_F (Peak) | 100 | mA |
| Reverse Voltage | V_R | 5 | V |

Electronic Optical Characteristics :

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Condition |
|------------------------------|-----------------|------|------|------|------|------------|
| Luminous Intensity | I_v | 7 | 15 | 25 | mcd | $I_F=20mA$ |
| Peak Wavelength | λ_p | 563 | 568 | 573 | nm | $I_F=20mA$ |
| Spectrum Radiation Bandwidth | $\Delta\lambda$ | 25 | 30 | 35 | nm | $I_F=20mA$ |
| Forward Voltage | V_F | 1.7 | 2.2 | 2.6 | V | $I_F=20mA$ |
| Reverse Current | I_R | / | / | 100 | µA | $V_R=5V$ |

