



Electrical Optical Characteristics at Ta=25

| Input | | | | | | |
|-----------------|-----------|------|------|------|---------------|-------------------|
| Parameter | Symbol | Min. | Typ. | Max. | Unit | Test Condition |
| Peak Wavelength | λ | --- | 940 | --- | nm | $I_F=50\text{mA}$ |
| Forward Voltage | V_F | --- | 1.35 | 1.60 | V | $I_F=50\text{mA}$ |
| Reverse Current | I_R | --- | --- | 10 | μA | $V_R=5\text{V}$ |

| Output | | | | | | |
|--------------------------------------|---------------|------|------|------|---------------|---|
| Parameter | Symbol | Min. | Typ. | Max. | Unit | Test Condition |
| Collector-Emitter Breakdown Voltage | BV_{CEO} | 30 | --- | --- | V | $I_C=0.1\text{mA}$ $E_e=0\text{mW/cm}^2$ |
| Emitter-Collector Breakdown Voltage | BV_{ECO} | 5 | --- | --- | V | $I_E=0.1\text{mA}$ $E_e=0\text{mW/cm}^2$ |
| Collector-Emitter Saturation Voltage | $V_{CE(SAT)}$ | --- | --- | 0.4 | V | $I_C=2\text{mA}$ $E_e=1.0\text{mW/cm}^2$ |
| Rise Time | T_r | --- | 15 | --- | μs | $V_{CC}=5\text{V}$ $R_L=1\text{K}$ $I_C=1\text{mA}$ |
| Fall Time | T_f | --- | 15 | --- | μs | |
| Collector Dark Current | I_{CEO} | --- | --- | 100 | nA | $V_{CE}=10\text{V}$ $E_e=0\text{mW/cm}^2$ |
| On State Collector Current | $I_{C(ON)}$ | 1.0 | 5.0 | --- | mA | $V_{CE}=5\text{V}$ $I_F=20\text{mA}$ |

PACKAGE

| Bag volume (pcs / Bag) | Outer Carton volume (Bag / Carton) |
|-----------------------------------|---|
| TBD | TBD |