

NTE30047 Infrared Emitting Diode – 5mm

Electrical Characteristics: (T_A = +25°C unless otherwise specified)

| Parameter | Symbol | Test Conditions | Min | Тур | Max | Unit |
|------------------------------|----------------|---------------------------------|-----|------|------|--------|
| Viewing Angle of Half Power | 201/2 | I _F = 50mA | - | 40 | - | degree |
| Forward Voltage | V _F | I _F = 50 mA | - | 1.25 | 1.45 | V |
| Reverse Current | I _R | V _R = 5V | - | - | 10 | uA |
| Radiant Output Power | Po | I _F = 50 mA (Note 2) | 30 | 50 | _ | mw/sr |
| Peak Emission Wavelength | λ_{p} | I _F = 50 mA | - | 940 | _ | nm |
| Spectrum Width of Half Valve | Δλ | $I_F = 50 \text{ mA}$ | ı | 50 | - | nm |
| Terminal Capacitance | C _t | V = 0, F = 1MHz | _ | 40 | _ | рF |

Note 2. Tolerance: 30%, measured using Exeltron 2001.

