



ELECTRONICS, INC.
 44 FARRAND STREET
 BLOOMFIELD, NJ 07003
 (973) 748-5089
<http://www.nteinc.com>

NTE3004 Light Emitting Diode (LED) Deep Red, Axial Lead

Features:

- Clear Lens
- Reliable and Rugged
- Cool Beam, Safe to Touch
- Superior Resistance to Moisture

Applications:

- Small Indicator for Indoor Applications
- Flat Backlight for LCD, Switches and Symbols
- Indicator and Backlight in Office Equipment

Absolute Maximum Ratings: ($T_A = +25^\circ\text{C}$ unless otherwise specified)

Reverse Voltage, V_R	5V
Forward Current, I_F	20mA
Peak Forward Current (Pulse Width $\leq 100\mu\text{s}$, Duty Cycle $\leq 1\%$), I_{FP}	100mA
Derate Linear from $+30^\circ\text{C}$	0.8mA/ $^\circ\text{C}$
Power Dissipation, P_d	100mW
Operating Temperature Range, T_{opr}	-20° to $+80^\circ\text{C}$
Storage Temperature Range, T_{stg}	-30° to $+100^\circ\text{C}$
Lead Temperature (During soldering, 1.6mm from body, 5sec), T_L	$+260^\circ\text{C}$

Electrical Characteristics: ($T_A = +25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Luminous Intensity	I_V	$I_F = 20\text{mA}$	200	–	300	mcd
Viewing Angle	$2\theta_{1/2}$		–	60	–	degrees
Peak Wavelength	λ_p		655	660	665	nm
Forward Voltage	V_F	$I_F = 20\text{mA}$	2.0	–	2.2	V

Rev. 12-20



