



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

NTE3060

0.3" Single Digit Numeric Display, Seven Segment, Common Cathode

Description:

The NTE3060 is a 0.3 inch (7.62mm) height single digit, seven segment, common cathode, right-hand decimal point display in a 14-Lead DIP type package

Features:

- Super Yellow Source Color (AlGaAs) with White Segments on a White Face
- 0.3 Inch (7.62mm) Digit Height
- Low Power Requirement
- Excellent Characters Appearance
- IC Compatible
- Easy Mounting on PC Board or Sockets

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

Power Dissipation (Per Segment), P_T 80mW
Peak Forward Current (Per Segment, 1/10 Duty Cycle, 0.1ms Pulse Width), $I_{F\text{peak}}$ 80mA
Continuous Forward Current (Per Segment), I_F 20mA
Derate Linearly from 50°C (Per Segment) $0.40\text{mA}/^{\circ}\text{C}$
Reverse Voltage (Per Segment), V_R 5V
Operating Temperature Range, T_{opr} -40° to $+80^{\circ}\text{C}$
Storage Temperature Range, T_{stg} -40° to $+80^{\circ}\text{C}$
Lead Temperature (During Solder, 1/16" Below Seating Plane, 5sec max), T_L $+260^{\circ}\text{C}$

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Average Luminous Intensity	I_V	$I_F = 20\text{mA}$	–	10	–	mcd
Peak Emission Wavelength	λ_P	$I_F = 20\text{mA}$	–	585	–	nm
Spectral Line Half-Width	$\Delta\lambda$	$I_F = 20\text{mA}$	19	24	29	nm
Forward Voltage, Any Segment or D.P.	V_F	$I_F = 20\text{mA}$	1.6	1.85	2.4	V
Reverse Current, Any Segment or D.P.	I_R	$V_R = 5\text{V}$	–	–	100	μA

Pin Connection Diagram

