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## NTE3080 Series LED Display, .800" Seven Segment, Common Anode Right Hand Decimal Point

**Features:**

- Available in 3 colors:
  - NTE3080 (High Eff Red, AlGaInP)
  - NTE3080-Y (Yellow, AlGaInP)
  - NTE3080-G (Yellow Green, AlGaInP)
- 0.8 Inch Digit Height
- High Intensity and Reliability
- High Quality, Low Power Requirement
- Easy Mounting on P.C. Boards or Sockets
- IC Compatible
- Standard: Gray Face, White Segment
- RoHS Compliant

**Absolute Maximum Ratings:** (T<sub>A</sub> = +25°C, unless otherwise specified)

Power Dissipation (Per Segment, P <sub>D</sub> .....	75mW
Peak Forward Current (Per Segment, Note 1), I <sub>FP</sub> .....	100mA
DC Forward Current (Per Segment), I <sub>F</sub> .....	30mA
Derate Linearly from +25°C .....	0.33mA/°C
Reverse Voltage (Per Segment), V <sub>R</sub> .....	5V
Operating Temperature Range, T <sub>opr</sub> .....	-40° to +105°C
Storage Temperature Range, T <sub>stg</sub> .....	-40° to +105°C
Lead Temperature, (During Soldering, 1.6mm from Body, 3sec Max), T <sub>L</sub> .....	+260°C

Note 1. 1/10 Duty Cycle, 0.1ms Pulse Width.

**Electrical/Optical Characteristics:** (T<sub>A</sub> = +25°C unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Luminous Intensity (Per Segment) NTE3080, NTE3080-Y	I <sub>v</sub>	I <sub>F</sub> = 10mA	-	60	-	mcd
NTE3080-G			-	40	-	mcd
Dominant Wavelength NTE3080	λ <sub>d</sub>	I <sub>F</sub> = 20mA	620	-	630	nm
NTE3080-Y			588	-	592	nm
NTE3080-G			565	-	575	nm
Forward Voltage (Per Dice)	V <sub>F</sub>	I <sub>F</sub> = 20mA	1.8	-	2.4	V
Reverse Current (Per Dice)	I <sub>R</sub>	V <sub>R</sub> = 5V	-	-	50	uA
Electro-Static Discharge	ESD	I <sub>F</sub> = 20mA	-	3000	-	V



### Pin Connection Diagram

