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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, GaAsP/GaP)
 - NTE3080-Y (Yellow, GaAsP/GaP)
 - NTE3080-G (Green, GaP)
- 0.8 Inch Digit Height
- Low Current Operation
- Excellent Character Appearance
- Easy Mounting on P.C. Boards or Sockets
- I.C. Compatible
- Mechanically Rugged
- Categorized for Luminous Intensity
- Standard: Gray Face, White Segment
- RoHS Compliant

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

Power Dissipation, P_D	105mW
DC Forward Current	
NTE3080-G	25mA
All Other Devices	30mA
Reverse Voltage (Note 1), V_R	5V
Peak Forward Current	
NTE3080	160mA
All Other Devices	140mA
Operating Temperature Range, T_{opr}	-40° to $+85^\circ\text{C}$
Storage Temperature Range, T_{stg}	-40° to $+85^\circ\text{C}$
Lead Temperature, (During Soldering, 5mm Below Package Base, 5sec Max), T_L	$+260^\circ\text{C}$

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

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Peak Wavelength	λ_{peak}	$I_F = 20\text{mA}$	-	627	-	nm
NTE3080						
NTE3080-Y						
NTE3080-G			-	565		nm
Dominant Wavelength	λ_D	$I_F = 20\text{mA}$	-	625	-	nm
NTE3080						
NTE3080-Y						
NTE3080-G			-	568		nm
Spectral Line Half-Width	$\Delta\lambda_{1/2}$	$I_F = 20\text{mA}$	-	45	-	nm
NTE3080						
NTE3080-Y						
NTE3080-G			-	30		nm

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Capacitance NTE3080, NTE3080-G	C	$V_F = 0\text{V}, f = 1\text{MHz}$	-	15		pF
NTE3080-Y			-	20	-	pF
Forward Voltage NTE3080	V_F	$I_F = 20\text{mA}$	-	2.0	2.5	V
NTE3080-Y			-	2.1	2.5	V
NTE3080-G			-	2.2	2.5	V
Reverse Current	I_R	$V_R = 5\text{V}$	-	-	10	μA

Pin Connection Diagram

