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## NTE3078 & NTE3079 0.56" Single Digit Numeric Display Seven Segment, RHDP

**Description:**

The NTE3078 (Common Anode) and NTE3079 (Common Cathode) are 0.56 inch (14.2mm) height single digit displays utilizing LED chips which are made from GaAsP on a GaAs substrate.

**Features:**

- 0.56 Inch (14.2mm) Digit Height
- Low Power Requirement
- Excellent Characters Appearance
- Catagorized for Luminous Intensity
- IC Compatible
- Easy Mounting on PC Board or Socket

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

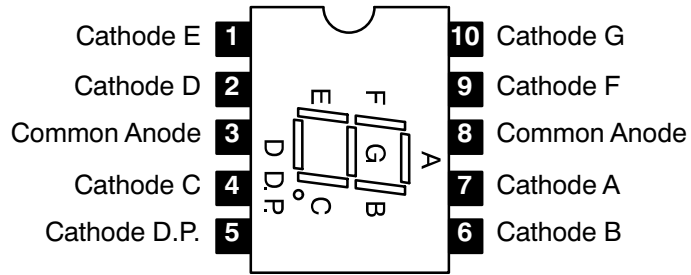
Power Dissipation (Per Segment),  $P_T$  ..... 100mW  
 Peak Forward Current (Per Segment, 1/10 Duty Cycle, 0.1ms Pulse Width),  $I_{Fpeak}$  ..... 100mA  
 Continuous Forward Current (Per Segment),  $I_F$  ..... 40mA  
 Derate Linearly from 50°C (Per Segment) ..... 0.40mA/°C  
 Reverse Voltage (Per Segment),  $V_R$  ..... 5V  
 Operating Temperature Range,  $T_{opr}$  ..... -40° to +80°C  
 Storage Temperature Range,  $T_{stg}$  ..... -40° to +85°C  
 Lead Temperatue (During Solder, 1/16" Below Seating Plane, 3sec max),  $T_L$  ..... +260°C

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Average Luminous Intensity: NTE3078 NTE3079	$I_V$	$I_F = 20\text{mA}$	12	18	32	mcd
	$I_V$	$I_F = 20\text{mA}$	7	12	18	mcd
Peak Emission Wavelength	$\lambda_P$	$I_F = 20\text{mA}$	640	644	650	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	$\mu\text{A}$

### Pin Connection Diagram

#### NTE3078



#### NTE3079

