

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)

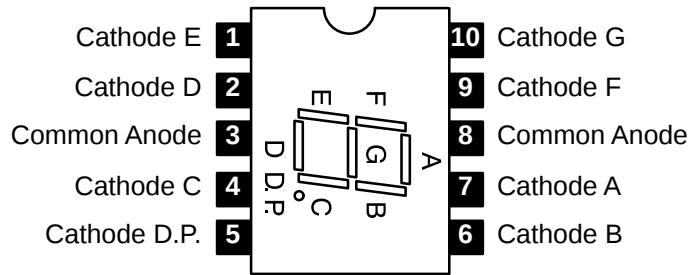
Power Dissipation (Per Segment), P_T 55mW
 Peak Forward Current (Per Segment, 1/10 Duty Cycle, 0.1ms Pulse Width), $I_{F\text{peak}}$ 160mA
 Continuous Forward Current (Per Segment), I_F 25mA
 Derate Linearly from 25°C (Per Segment) $0.30\text{mA}/^{\circ}\text{C}$
 Reverse Voltage (Per Segment), V_R 5V
 Operating Temperature Range, T_{opr} -25° to $+85^{\circ}\text{C}$
 Storage Temperature Range, T_{stg} -25° to $+85^{\circ}\text{C}$
 Lead Temperatue (During Solder, 1/16" Below Seating Plane, 3sec 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	$I_F = 10\text{mA}$	200	500	—	μcd
Peak Emission Wavelength	λ_P	$I_F = 20\text{mA}$	—	655	—	nm
Spectral Line Half-Width	$\Delta\lambda$	$I_F = 20\text{mA}$	—	24	—	nm
Forward Voltage, Any Segment or D.P.	V_F	$I_F = 20\text{mA}$	—	1.7	2.0	V
Reverse Current, Any Segment or D.P.	I_R	$V_R = 5\text{V}$	—	—	100	μA
Luminous Intensity Matching Ratio	I_{V-m}	$I_F = 20\text{mA}$	—	—	2:1	

Pin Connection Diagram

NTE3078



NTE3079

