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NTE3050
Seven Segment Red LED Display .270 Inch, Common Anode, LHDP, Red Epoxy Case

Features:
- .270" High Characters
- High Brightness
- Low Power Requirements
- Left Hand Decimal Point (LHDP)
- Single–Plane Wide–Angle Visibility
- Compatible with Most TTL and DTL Circuits

Absolute Maximum Ratings: (T_A = 0° to +70°C unless otherwise specified)

Reverse Voltage (T_A = +25°C), V_R
- Each Segment 6V
- Decimal Point 3V

Peak Forward Current (Each Segment or Decimal Point, Note 1), $I_F$peak 200mA

Continuous Forward Current, I_F
- Each Segment or Decimal Point 30mA
- Total Device 240mA

Operating Ambient Temperature Range, T_A . . . . . 0° to +70°C

Storage Temperature Range, T_{stg} . . . . . –55° to +100°C

Note 1. This value applies for PRR ≥ 60Hz, Duty Cycle ≤ 10%.

Operating Characteristics: (T_A = +25°C unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Luminous Intensity Each Segment	I_V	I_F = 20mA, Note 2	100	275	–	μcd
Decimal Point			40	110	–	μcd
Wavelength at Peak Emission Each Segment	λ_P	I_F = 20mA	640	660	680	nm
Decimal Point			645	665	685	nm
Spectral Bandwidth between Half–Power Points	B		–	20	–	nm
Static Forward Voltage Each Segment	V_F		3.0	3.4	3.8	V
Decimal Point			1.5	1.65	2.0	V
Average Temperature Coefficient of Static Forward Voltage Each Segment	α_{VF}	I_F = 20mA, T_A = 0° to +70°C	–	–2.7	–	mV/°C
Decimal Point			–	–1.4	–	mV/°C
Static Reverse Current Each Segment	I_R	V_R = 6V	–	–	100	μA
Decimal Point		V_R = 3V	–	–	100	μA
Anode–to–Cathode Capacitance Each Segment	C	V_R = 0, f = 1MHz	–	85	–	pF
Decimal Point			–	120	–	pF

Note 2. Luminous intensity is measured with a solar cell and filter combination which approximates the CIE (International Commission on Illumination) eye–response curve.

Pin Connection Diagram