



ELECTRONICS, INC.
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NTE5304 thru NTE5307 Silicon Bridge Rectifier, 1.5A

Features:

- High Reverse Voltage to 1000V
- Surge Overload Ratings to 50A (Peak)
- Good for PC Board Assembly

Maximum Ratings and Electrical Characteristics: ($T_A = +25^\circ\text{C}$ unless otherwise specified.
Single Phase, Half Wave, 60Hz, Resistive or Inductive Load, Note 1.)

Maximum Recurrent Peak Reverse Voltage, V_{RRM}

NTE5304	400V
NTE5305	600V
NTE5306	800V
NTE5307	1000V

Maximum RMS Bridge Input Voltage, V_{RMS}

NTE5304	280V
NTE5305	420V
NTE5306	560V
NTE5307	700V

Maximum DC Blocking Voltage, V_{DC}

NTE5304	400V
NTE5305	600V
NTE5306	800V
NTE5307	1000V

Maximum Average Forward Output Current ($T_A = +25^\circ\text{C}$), $I_{O(AV)}$ 1.5A

Peak Forward Surge Current (8.3ms single half wave superimposed on rated load), I_{FSM} 50A

Maximum Forward Voltage Drop (Per element at 1A), V_F 1.0V

Maximum Reverse Current at Rated DC Blocking Voltage Per Element, I_R

$T_A = +25^\circ\text{C}$	10 μA
$T_A = +100^\circ\text{C}$	1mA

Operating Temperature Range, T_J -55° to $+125^\circ\text{C}$

Storage Temperature Range, T_{stg} -55° to $+150^\circ\text{C}$

Note 1. For capacitive load, derate current by 20%.

