



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 $\mu\text{A}$
$T_A = +100^\circ\text{C}$ .....	1mA
Operating Temperature Range, $T_J$ .....	
-55° to +125°C	
Storage Temperature Range, $T_{stg}$ .....	
-55° to +150°C	

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

