



ELECTRONICS, INC.
 44 FARRAND STREET
 BLOOMFIELD, NJ 07003
 (973) 748-5089

NTE5309 thru NTE5311 Single Phase Bridge Rectifier 4 Amp

Features:

- Ideal for Printed Circuit Board
- Surge Overload Rating: 200A (Peak)

Maximum Ratings and Electrical Characteristics: ($T_A = +25^\circ\text{C}$ unless otherwise specified. Single Phase, Full Wave, 60Hz, Resistive or Inductive Load. For Capacitive Load, Derate Current by 20%)

Maximum Recurrent Peak Reverse Voltage, P_{RV}	
NTE5309	200V
NTE5310	600V
NTE5311	1000V
Maximum RMS Bridge Input Voltage,	
NTE5309	140V
NTE5310	420V
NTE5311	700V
Maximum DC Blocking Voltage,	
NTE5309	200V
NTE5310	600V
NTE5311	1000V
Maximum Average Forward Output Current ($T_A = +50^\circ\text{C}$), $I_{F(AV)}$	
4A	
Peak Forward Surge Current, I_{FSM}	
(8.3ms Single Sine-Wave Superimposed on Rated Load)	
200A	
Maximum Forward Voltage Drop (Per Bridge Element, $I_F = 3A$), V_F	
1.0V	
Maximum Reverse Current (at Rated DC Blocking Voltage per Element), I_R	
$T_A = +25^\circ\text{C}$	10 μ A
$T_A = +100^\circ\text{C}$	1mA
Operating Junction Temperature Range, T_J	
-55° to $+125^\circ\text{C}$	
Storage Temperature Range, T_{stg}	
-55° to $+150^\circ\text{C}$	

