



ELECTRONICS, INC.

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

<http://www.nteinc.com>

## NTE5390 thru NTE5394 Silicon Bridge Rectifier, 35A

### Features:

- Low Leakage
- Low Forward Voltage
- High Forward Surge Current Capability
- Surge Overload Rating: 300A Peak
- Mounting Position: Any

**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,  $V_{RRM}$

NTE5390	200V
NTE5391	400V
NTE5392	600V
NTE5393	800V
NTE5394	1000V

Maximum RMS Bridge Input Voltage,  $V_{RMS}$

NTE5390	140V
NTE5391	280V
NTE5392	420V
NTE5393	560V
NTE5394	700V

Maximum DC Blocking Voltage,  $V_{DC}$

NTE5390	200V
NTE5391	400V
NTE5392	600V
NTE5393	800V
NTE5394	1000V

Maximum Average Forward Rectified Output Current ( $T_A = +100^\circ\text{C}$ ),  $I_{O(AV)}$  . . . 35A

Peak Forward Surge Current (8.3ms single half wave superimposed on rated load),  $I_{FSM}$  . . . 300A

Maximum Forward Voltage Drop (Per element at 17.5A),  $V_F$  . . . 1.1V

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

$T_A = +25^\circ\text{C}$	5 $\mu\text{A}$
$T_A = +100^\circ\text{C}$	0.2mA

Operating Temperature Range,  $T_J$  . . . -55° to +150°C

Storage Temperature Range,  $T_{stg}$  . . . -55° to +150°C

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

