

## NTE5322/NTE5324/ NTE5326/NTE5327/NTE5328 Silicon Bridge Rectifier, Single-Phase, 25 Amp

### Features:

- Superior Thermal Design
- Surge Overload Rating: 400A (Peak)
- Hole Through for #8 Screw
- Silverplated Copper Terminals

### Maximum Ratings & Electrical Characteristics Per Leg:

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

#### Maximum Recurrent Peak Reverse Voltage, $P_{RV}$

NTE5322	200V
NTE5324	400V
NTE5326	600V
NTE5327	800V
NTE5328	1000V

#### Maximum RMS Bridge Input Voltage

NTE5322	140V
NTE5324	280V
NTE5326	420V
NTE5327	560V
NTE5328	700V

#### Maximum DC Blocking Voltage

NTE5322	200V
NTE5324	400V
NTE5326	600V
NTE5327	800V
NTE5328	1000V

**Maximum Ratings & Electrical Characteristics Per Leg (Cont'd):**

( $T_A = 25^\circ\text{C}$  unless otherwise specified, Single Phase, Half Wave, 60Hz, Resistive or Inductive Load. For Capacitive Load, Derate Current by 20%)

Average Forward Current ( $T_C = +75^\circ\text{C}$ ),  $I_F (AV)$  ..... 25A

Maximum Peak Surge Current (8.3ms),  $I_{FSM}$  ..... 400A

Maximum Instantaneous Forward Voltage Drop ( $I_F = 12.5A$ ),  $V_F$  ..... 1.1V

Maximum DC Reverse Current @  $P_{RV}$ ,  $I_R$

$T_A = +25^\circ\text{C}$  .....  $10\mu\text{A}$

$T_A = +100^\circ\text{C}$  ..... 1mA

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

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

