



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

**NTE5322W/NTE5324W/  
 NTE5326W/NTE5327W/NTE5328W  
 Silicon Bridge Rectifier, Single-Phase, 25 Amp**

**Features:**

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

**Maximum Ratings & Electrical Characteristics Per Leg:**

(T<sub>A</sub> = +25°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<sub>RV</sub>

NTE5322W .....	200V
NTE5324W .....	400V
NTE5326W .....	600V
NTE5327W .....	800V
NTE5328W .....	1000V

Maximum RMS Bridge Input Voltage

NTE5322W .....	140V
NTE5324W .....	280V
NTE5326W .....	420V
NTE5327W .....	560V
NTE5328W .....	700V

Maximum DC Blocking Voltage

NTE5322W .....	200V
NTE5324W .....	400V
NTE5326W .....	600V
NTE5327W .....	800V
NTE5328W .....	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), $I_{FSM}$ .....	300A
Maximum Instantaneous Forward Voltage Drop ( $I_F = 12.5\text{A}$ ), $V_F$ .....	1.2V
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 $+150^\circ\text{C}$

