

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 ($I_F = 12.5\text{A}$), 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° to $+125^\circ\text{C}$

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

