



**ELECTRONICS, INC.**  
 44 FARRAND STREET  
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## 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<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>

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

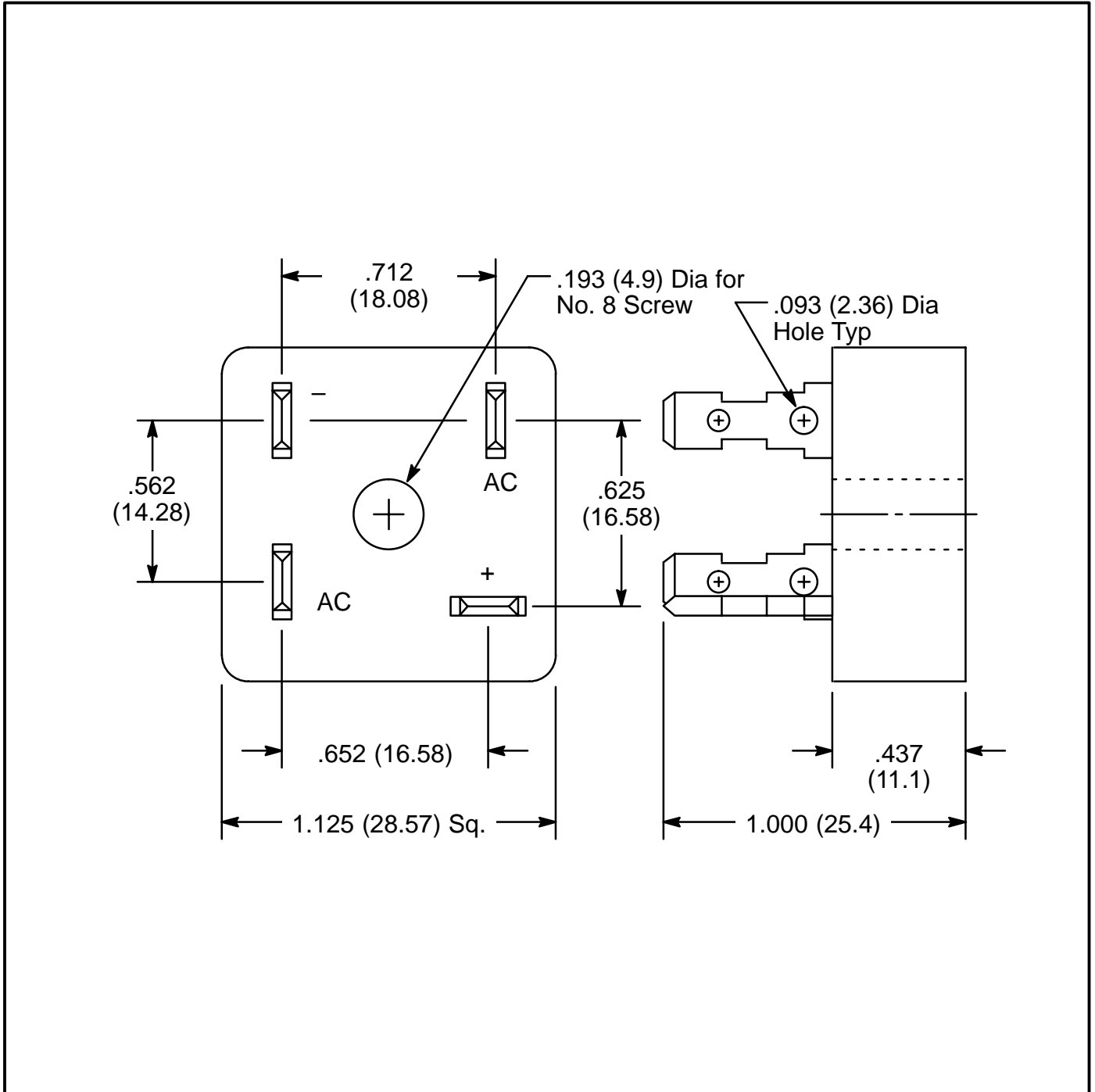
Maximum DC Reverse Current @  $P_{RV}$ ,  $I_R$

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

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

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

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



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