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

NTE166 thru NTE170
Single Phase Bridge Rectifier
2.0 Amp

Features:

- Ideal for Printed Circuit Board
- Surge Overload Rating: 50A (Peak)

Maximum Ratings and Electrical Characteristics: (T_A = +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_{RV}
- NTE166 . . . . . 100V
- NTE167 . . . . . 200V
- NTE168 . . . . . 400V
- NTE169 . . . . . 600V
- NTE170 . . . . . 1000V

Maximum RMS Bridge Input Voltage,
- NTE166 . . . . . 70V
- NTE167 . . . . . 140V
- NTE168 . . . . . 280V
- NTE169 . . . . . 420V
- NTE170 . . . . . 700V

Maximum DC Blocking Voltage,
- NTE166 . . . . . 100V
- NTE167 . . . . . 200V
- NTE168 . . . . . 400V
- NTE169 . . . . . 600V
- NTE170 . . . . . 1000V

Maximum Average Forward Output Current (T_A = +50°C), $I_{F(AV)}$ 2A

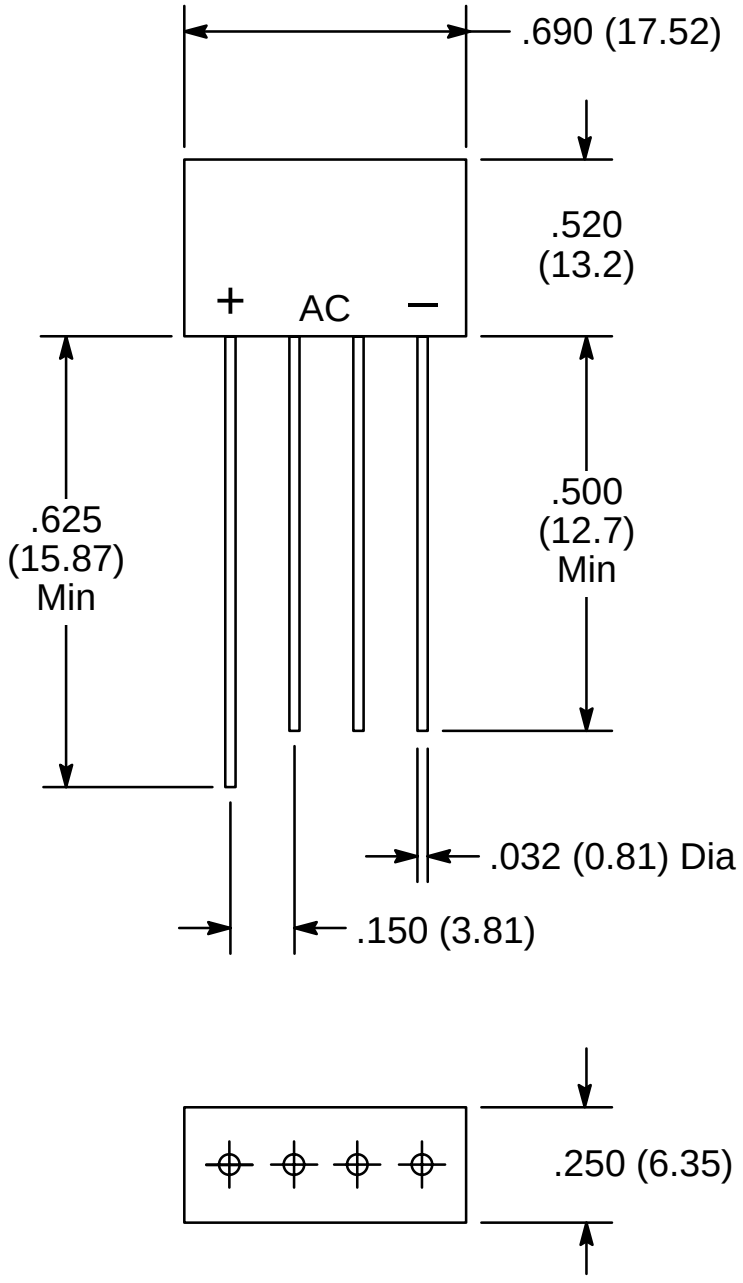
Peak Forward Surge Current, I_{FSM}
- (8.3ms Single Sine–Wave Superimposed on Rated Load) 50A

Maximum Forward Voltage Drop (Per Bridge Element, I_F = 1A), V_F 1V

Maximum Reverse Current (at Rated DC Blocking Voltage per Element), I_R
- T_A = +25°C 10μA
- T_A = +100°C 1mA

Operating Junction Temperature Range, T_J . . . . . –55° to +125°C

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


.690 (17.52)
.520
(13.2)
+
AC
–
.625
(15.87)
Min
.500
(12.7)
Min
.032 (0.81) Dia
.150 (3.81)
.250 (6.35)