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

NTE5304 thru NTE5307
Silicon Bridge Rectifier, 1.5A

Features:

- High Reverse Voltage to 1000V
- Surge Overload Ratings to 50A (Peak)
- Good for PC Board Assembly

Maximum Ratings and Electrical Characteristics: (T_A = +25°C unless otherwise specified. Single Phase, Half Wave, 60Hz, Resistive or Inductive Load, Note 1.)

Maximum Recurrent Peak Reverse Voltage, V_{RRM}
- NTE5304 . . . . . 400V
- NTE5305 . . . . . 600V
- NTE5306 . . . . . 800V
- NTE5307 . . . . . 1000V

Maximum RMS Bridge Input Voltage, V_{RMS}
- NTE5304 . . . . . 280V
- NTE5305 . . . . . 420V
- NTE5306 . . . . . 560V
- NTE5307 . . . . . 700V

Maximum DC Blocking Voltage, V_{DC}
- NTE5304 . . . . . 400V
- NTE5305 . . . . . 600V
- NTE5306 . . . . . 800V
- NTE5307 . . . . . 1000V

Maximum Average Forward Output Current (T_A = +25°C), $I_{O(AV)}$ 1.5A

Peak Forward Surge Current (8.3ms single half wave superimposed on rated load), I_{FSM} 50A

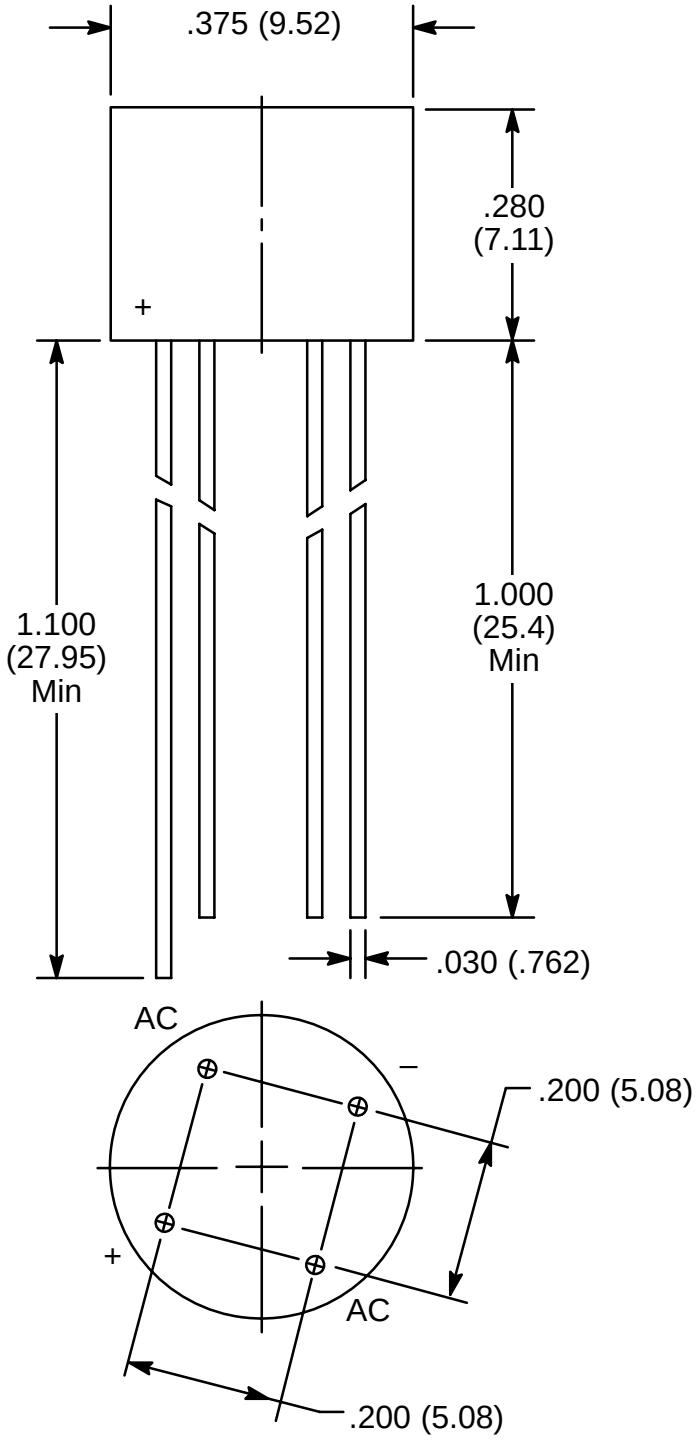
Maximum Forward Voltage Drop (Per element at 1A), V_F 1.0V

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

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

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

Note 1. For capacitive load, derate current by 20%.


.375 (9.52)
.280
(7.11)
+
1.100
(27.95)
Min
1.000
(25.4)
Min
.030 (.762)
AC
–
.200 (5.08)
+
AC
.200 (5.08)