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NTE5332 & NTE5334
Silicon Bridge Rectifier, 1A

Features:
- Glass Passivated Chip Junctions
- Surge Overload Rating: 50A (Peak)
- Ideal for Printed Circuit Board
- High Temperature Soldering Guaranteed: +285°C/10 seconds at 5 lbs., (2.3kg) tension

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

Maximum Recurrent Peak Reverse Voltage, V_{RRM}
- NTE5332 . . . . . 600V
- NTE5334 . . . . . 1000V

Maximum RMS, V_{RMS}
- NTE5332 . . . . . 420V
- NTE5334 . . . . . 700V

Maximum DC Blocking Voltage, V_{DC}
- NTE5332 . . . . . 600V
- NTE5334 . . . . . 1000V

Maximum Average Forward Output Rectified Current (T_A = +40°C), $I_{O(AV)}$ 1A

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

Rating for Fusing (t < 8.35ms), I^2t . . . . . $10A^2s$

Maximum Instantaneous Forward Voltage Drop (Per element at 1A), V_F 1.2V

Maximum Reverse Current at Rated DC Blocking Voltage Per Element, I_R
- T_A = +25°C 10µA
- T_A = +125°C 500µA

Typical Junction Capacitance Per Element (Note 1), C_J 25pf

Typical thermal Resistance (Note 2), $R_{\Theta JA}$ . . . . . +40°C/W

Operating Junction Temperature Range, T_J . . . . . –65° to +150°C

Storage Temperature Range, T_{stg} . . . . . –65° to +150°C

Note 1. Measured at 1.0MHz and applied reverse voltage of 4.0 Volts.

Note 2. Thermal Resistance from Junction to Ambient mounted on P.C. Board with 0.5” x 0.5” (13mm x 13mm) Copper Pads.

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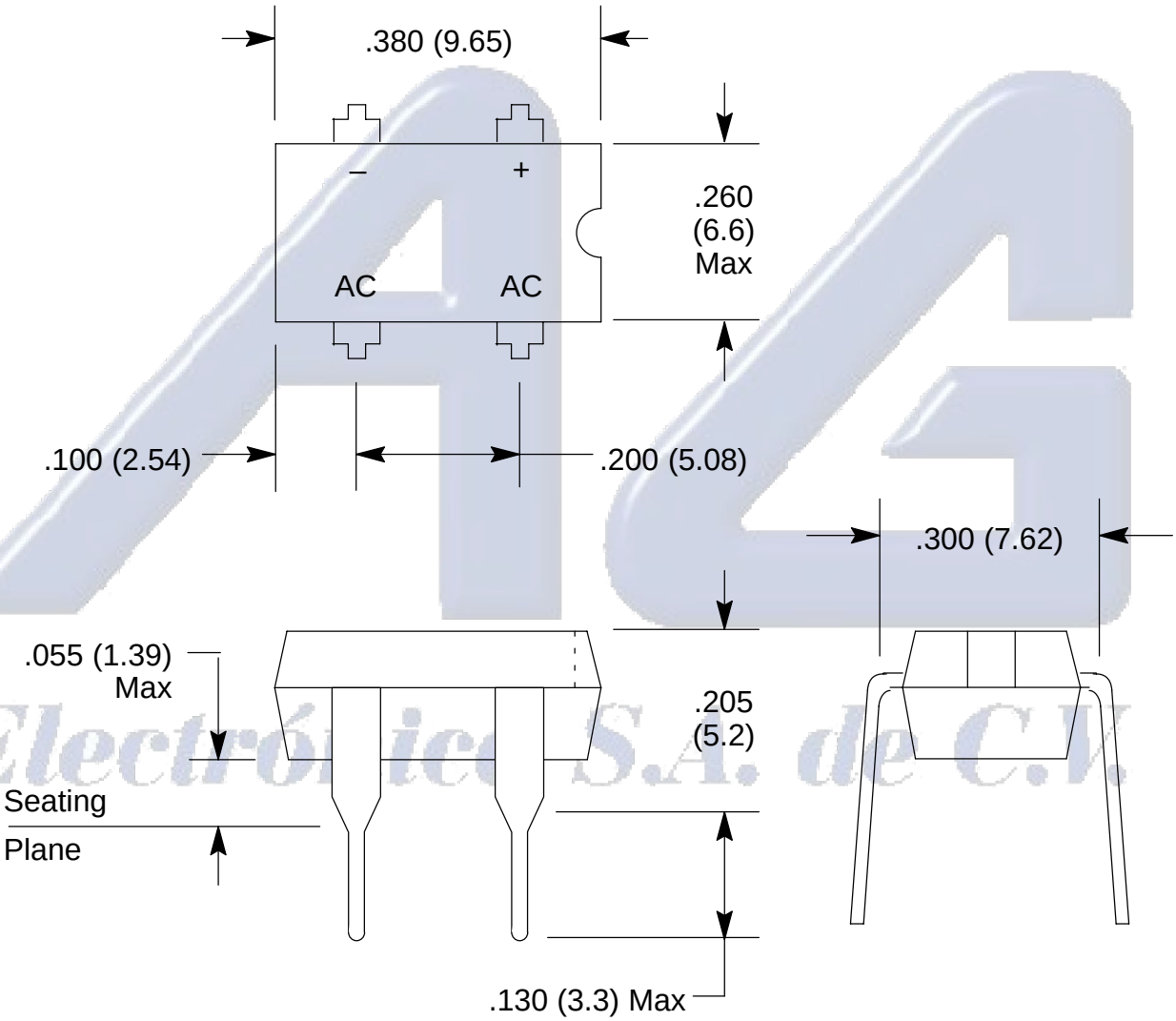

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