NTE5312 thru NTE5317
Single Phase Bridge Rectifier
8 Amp

Features:

- Low Forward Voltage Drop
- Surge Overload Rating: 200A (Peak)
- Mounting Hole Thru for #6 Screw

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}

NTE5312	100V
NTE5313	200V
NTE5314	400V
NTE5315	600V
NTE5316	800V
NTE5317	1000V

Maximum RMS Bridge Input Voltage,

NTE5312	70V
NTE5313	140V
NTE5314	280V
NTE5315	420V
NTE5316	560V
NTE5317	700V

Maximum DC Blocking Voltage,

NTE5312	100V
NTE5313	200V
NTE5314	400V
NTE5315	600V
NTE5316	800V
NTE5317	1000V

Maximum Average Forward Output Current (T_C = +75°C), $I_{F(AV)}$ 8A

Peak Forward Surge Current, I_{FSM}
    (8.3ms Single Sine–Wave Superimposed on Rated Load) 200A
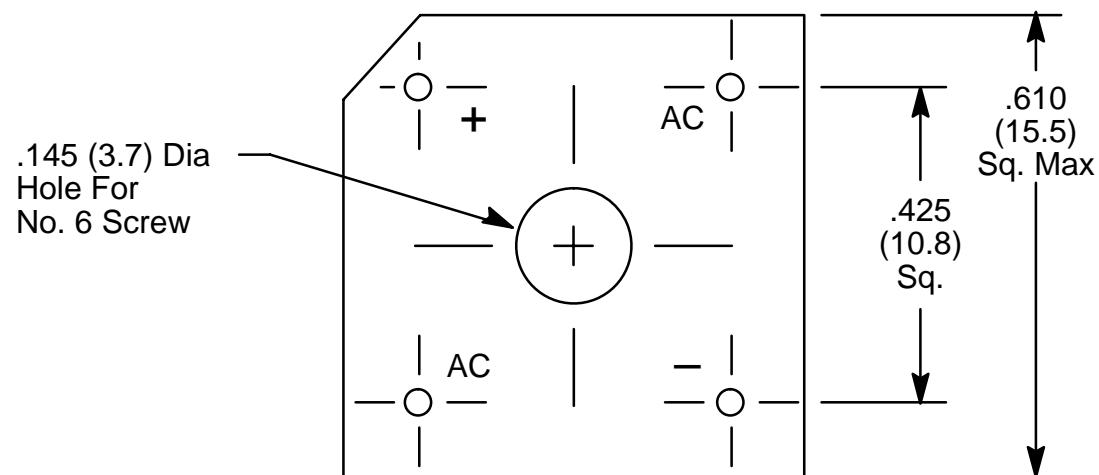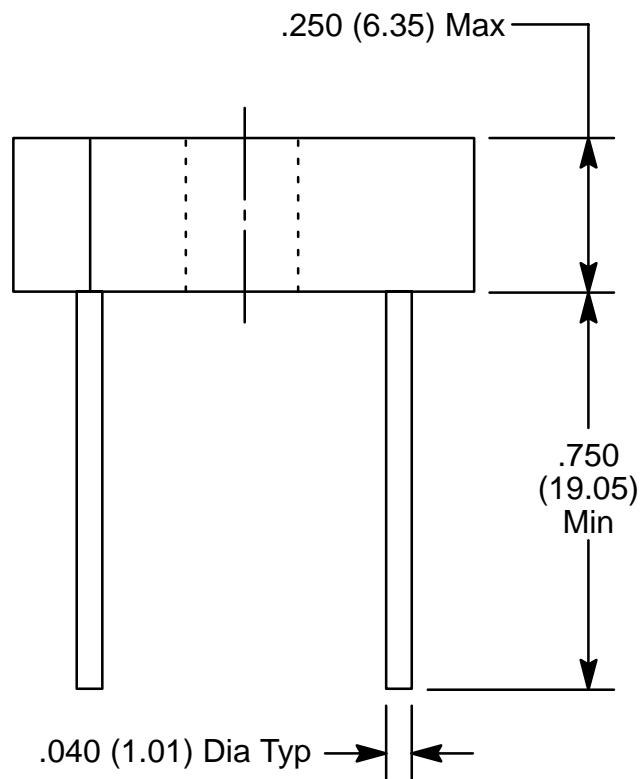
Maximum Forward Voltage Drop (Per Bridge Element, I_F = 4A), V_F 1.1V

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

.250 (6.35) Max

.750
(19.05)
Min

.040 (1.01) Dia Typ

.145 (3.7) Dia
Hole For
No. 6 Screw

+

AC

AC

−

.610
(15.5)
Sq. Max

.425
(10.8)
Sq.

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