

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: ($T_A = +25^\circ\text{C}$ 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 ($T_A = +50^\circ\text{C}$), $I_{F(AV)}$ 2A

Peak Forward Surge Current, I_{FSM}

(8.3ms Single Sine-Wave Superimposed on Rated Load) 50A

Maximum Forward Voltage Drop (Per Bridge Element, $I_F = 1\text{A}$), V_F 1V

Maximum Reverse Current (at Rated DC Blocking Voltage per Element), I_R

$T_A = +25^\circ\text{C}$	10 μA
$T_A = +100^\circ\text{C}$	1mA

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

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

