

NTE5340/NTE5342/NTE5344

Silicon Bridge Rectifier

Single-Phase, 40 Amp

Electrical Characteristics Per Leg: ($T_A = +25^\circ\text{C}$, unless otherwise specified)

Peak Reverse Voltage, P_{RV}	
NTE5340	200V
NTE5342	600V
NTE5344	1000V
Average Forward Current ($T_C = +55^\circ\text{C}$), $I_F (AV)$	40A
Maximum Peak Surge Current (8.3ms), I_{FSM}	300A
Maximum Instantaneous Forward Voltage Drop ($I_F = 20A$, Note 1), V_F	1.2V
Maximum DC Reverse Current @ P_{RV} , I_R	
$T_A = +25^\circ\text{C}$	10 μA
$T_A = +100^\circ\text{C}$	100 μA
Thermal Resistance (Total Bridge), $R_{\theta JC}$	1.2 $^\circ\text{C/W}$
Maximum Operating Temperature, T_{opr}	+175 $^\circ\text{C}$
Storage Temperature Range, T_{stg}	-55 $^\circ$ to +175 $^\circ\text{C}$

Note 1. Pulse Width < 300 μs , Duty Cycle < 2.0%

