

**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 $\mu\text{A}$
$T_A = +100^\circ\text{C}$ .....	100 $\mu\text{A}$
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 $\mu\text{s}$ , Duty Cycle < 2.0%

