

**Electric Breakdown field  
(MV/cm)**

— Si

• • SiC

- - GaN

**Thermal  
conductivity  
(W/cm-K)**

**Energy Gap  
(eV)**

**Saturated  
Electron Velocity  
( $\times 10^7$  cm/s)**

**Electron Mobility  
( $\times 10^3$  cm<sup>2</sup>/V-s)**

