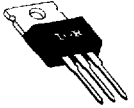
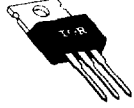


Logic-level HEXFETs are fully-enhanced with 4 or 5V applied to the gate.

TO-220AB Logic Level N-Channel

| Part Number | V(BR) _{DSS} Drain-to-Source Breakdown Voltage (Volt) | R _{DS(on)} On-State Resistance (Ohms) | I _D Continuous Drain Current 25°C (Amps) | I _D Continuous Drain Current 100°C (Amps) | R _{thJC} Max Thermal Resistance (°C/W) | P _d @T _c = 25°C Max Power Dissipation (Watts) | Case Outline Number (1) | Case Style |
|----------------|---|---|--|---|--|--|----------------------------------|--|
| IRL2203 | 30 | 0.010 (2) | 92 | 65 | 1.0 | 150 | H12 | TO-220AB  |
| IRL3705 | 50 | 0.012 (2) | 80 | 57 | 1.0 | 150 | | |
| IRLZ14 | 60 | 0.20 | 10 | 7.2 | 3.5 | 43 | | |
| IRLZ24 | 60 | 0.10 | 17 | 12 | 2.5 | 60 | | |
| IRLZ34 | 60 | 0.050 | 30 | 21 | 1.7 | 88 | | |
| IRLZ44 | 60 | 0.028 | 50 | 36 | 1.01 | 150 | | |
| IRL510 | 100 | 0.54 | 5.6 | 4.0 | 3.5 | 43 | | |
| IRL520 | 100 | 0.27 | 9.2 | 6.5 | 2.5 | 60 | | |
| IRL530 | 100 | 0.16 | 15 | 11 | 1.7 | 88 | | |
| IRL540 | 100 | 0.077 | 28 | 20 | 1.0 | 150 | | |

TO-220AB P-Channel

| Part Number | V(BR) _{DSS} Drain-to-Source Breakdown Voltage (Volt) | R _{DS(on)} On-State Resistance (Ohms) | I _D Continuous Drain Current 25°C (Amps) | I _D Continuous Drain Current 100°C (Amps) | R _{thJC} Max Thermal Resistance (°C/W) | P _d @T _c = 25°C Max Power Dissipation (Watts) | Case Outline Number (1) | Case Style |
|-------------|---|---|--|---|--|--|----------------------------------|--|
| IRF9Z14 | -60 | 0.50 | -6.7 | -4.7 | 3.5 | 43 | H12 | TO-220AB  |
| IRF9Z24 | -60 | 0.28 | -11 | -7.7 | 2.5 | 60 | | |
| IRF9Z34 | -60 | 0.14 | -18 | -13 | 1.7 | 88 | | |
| IRF9510 | -100 | 1.2 | -4.0 | -2.8 | 3.5 | 43 | | |
| IRF9520 | -100 | 0.60 | -6.8 | -4.8 | 2.5 | 60 | | |
| IRF9530 | -100 | 0.30 | -12 | -8.2 | 1.7 | 88 | | |
| IRF9540 | -100 | 0.20 | -19 | -13 | 1.0 | 150 | | |
| IRF9610 | -200 | 3.0 | -1.8 | -1.0 | 6.4 | 20 | | |
| IRF9620 | -200 | 1.5 | -3.5 | -2.0 | 3.1 | 40 | | |
| IRF9630 | -200 | 0.80 | -6.5 | -4.0 | 1.7 | 74 | | |
| IRF9640 | -200 | 0.50 | -11 | 6.8 | 1.0 | 125 | | |

Part number in bold indicates new product.
 (1) For case outline drawing see page 0-2.

(2) R_{DS(on)} specified at V_{GS} = 10V