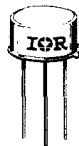
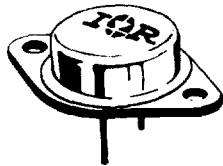


TO-39 N-Channel

| Part Number | V _{DS} Drain Source Voltage (Volts) | R _{DS(on)} On-State Resistance (Ohms) | I _D Continuous Drain Current 25°C Case (Amps) | I _{DM} Pulse Drain Current (Amps) | P _D Max Power Dissipation (Watts) | Case Outline Number (5) | Notes | Case Style |
|--|--|--|--|---|--|-------------------------|------------|--|
| IRFF9010 IRFF9020 IRFF9030 | -50 | 0.50 0.28 0.14 | -4.0 -6.1 -9.7 | -16 -24 -39 | 15 20 25 | H13 | | TO-205AF TO-39  |
| IRFF9113 IRFF9111 IRFF9123 IRFF9121 IRFF9133 IRFF9131 | -80 | 1.6 1.2 0.80 0.60 0.40 0.30 | -2.3 -2.6 -3.5 -4.0 -6.5 -6.5 | -10 -10 -16 -16 -26 -26 | 15 15 20 20 25 25 | | | |
| IRFF9112 IRFF9110 IRFF9122 IRFF9120 2N6845 IRFF9132 2N6849 IRFF9130 | -100 | 1.6 1.2 0.80 0.60 0.60 0.40 0.30 0.30 | -2.3 -2.6 -3.5 -3.5 -4.0 -5.5 -6.5 -6.5 | -9 -10 -14 -14 -16 -22 -26 -26 | 15 15 20 20 20 25 25 25 | | (3) (3) | |
| IRFF9213 IRFF9211 IRFF9223 IRFF9221 IRFF9233 IRFF9231 | -150 | 4.5 3.0 2.4 1.5 1.2 0.80 | -1.3 -1.6 -2.0 -2.5 -3.5 -4.0 | -5.5 -6.5 -8 -10 -14 -16 | 15 15 20 20 25 25 | | | |
| IRFF9212 IRFF9210 IRFF9222 IRFF9220 2N6847 IRFF9232 2N6851 IRFF9230 | -200 | 4.5 3.0 2.4 1.5 1.5 1.2 0.80 0.80 | -1.3 -1.6 -2.0 -2.5 -2.5 -3.5 -4.0 -4.0 | -5.5 -6.5 -8.0 -10 -10 -14 -16 -16 | 15 15 20 20 20 25 25 25 | | (3) (3) | |

TO-3 N-Channel

| Part Number | V _{DS} Drain Source Voltage (Volts) | R _{DS(on)} On-State Resistance (Ohms) | I _D Continuous Drain Current 25°C Case (Amps) | I _{DM} Pulse Drain Current (Amps) | P _D Max Power Dissipation (Watts) | Case Outline Number (5) | Notes | Case Style | |
|--|--|--|--|---|---|-------------------------|------------|---|------------------------------|
| IRF025 IRF024 IRF035 IRF034 IRF045 IRF044 IRF054 | 60 | 0.12 0.10 0.07 0.05 0.035 0.028 0.014 | 16 17 25 30 30 30 30 | 64 68 100 120 190 210 320 | 60 60 90 90 150 150 180 | H17 | | TO-204AA TO-3  | |
| IRF123 IRF121 IRF133 IRF131 IRF143 IRF153 IRF141 IRF151 | 80 | 0.36 0.27 0.23 0.16 0.10 0.080 0.077 0.055 | 8.0 9.2 12 14 25 30 28 30 | 32 37 48 56 100 120 118 150 | 60 60 79 79 150 180 150 180 | | H17 | | |
| IRF122 IRF120 IRF132 2N6756 IRF130 IRF142 IRF152 IRF140 IRF150 2N6764 | 100 | 0.36 0.27 0.23 0.18 0.16 0.10 0.080 0.077 0.055 0.055 | 9.2 9.2 12 14 14 25 30 28 30 30 | 32 37 48 56 56 100 120 110 150 160 | 60 60 80 75 79 150 180 150 180 150 | | | | H17 H18 |

(3) Mil Qualified HEXFET available, see Government/Space section page 111.
(4) TO-204AE case style.

(5) For case outline drawing see page 136.