
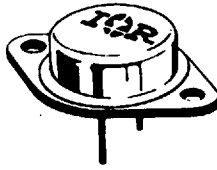


**International**  
**IR Rectifier**
**HEXFET** Power MOSFETs  
 Hermetic Package

**TO-39 N-Channel**

Part Number	V <sub>DS</sub> Drain Source Voltage (Volts)	R <sub>DS(on)</sub> On-State Resistance (Ohms)	I <sub>D</sub> Continuous Drain Current 25°C Case (Amps)	I <sub>DM</sub> Pulse Drain Current (Amps)	P <sub>D</sub> 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 <sub>DS</sub> Drain Source Voltage (Volts)	R <sub>DS(on)</sub> On-State Resistance (Ohms)	I <sub>D</sub> Continuous Drain Current 25°C Case (Amps)	I <sub>DM</sub> Pulse Drain Current (Amps)	P <sub>D</sub> 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 H18	(4)	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 H18	(4)	
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) (4) (3)	

(3) Mil Qualified HEXFET available, see Government/Space section

(4) TO-204AE case style.

(5) For case outline drawing see rear of section