

HEXFET

Power MOSFETs
Plastic Insertable Package

International
IOR Rectifier

TO-220 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 (2)	Notes	Case Style
IRFZ12 IRFZ10 IRFZ22 IRFZ20 IRFZ32 IRFZ30 IRFZ42 IRFZ40	50	0.30 0.20 0.12 0.10 0.070 0.050 0.035 0.028	5.9 7.2 14 15 25 30 50 50	24 29 56 60 60 80 200 200	20 20 40 40 75 75 150 150	H5	(1)	TO-220AB
IRFZ15 IRFZ14 IRFZ25 IRFZ24 IRFZ35 IRFZ34 IRFZ45 IRFZ44	60	0.30 0.20 0.12 0.10 0.070 0.050 0.035 0.028	8.3 10 16 17 25 30 50 50	33 40 64 68 100 120 200 200	36 36 60 60 90 90 150 150			
IRF513 IRF511 IRF523 IRF521 IRF533 IRF531 IRF543 IRF541	80	0.74 0.54 0.36 0.27 0.23 0.16 0.10 0.077	4.9 5.6 8.0 9.2 12 14 25 28	18 20 32 37 48 56 100 110	43 43 60 60 79 79 150 150			
IRF512 IRF510 IRF522 IRF520 IRF532 IRF530 IRF542 IRF540	100	0.74 0.54 0.36 0.27 0.23 0.16 0.10 0.077	4.9 5.6 8.0 9.2 12 14 25 28	18 20 32 37 48 56 100 110	43 43 60 60 79 79 150 150			
IRF613 IRF611 IRF623 IRF621 IRF633 IRF631 IRF643 IRF641	150	2.4 1.5 1.2 0.8 0.60 0.40 0.22 0.18	2.6 3.3 4.3 5.2 7.3 9.0 16 18	6.5 8.0 17 18 29 36 64 72	43 43 50 50 73 73 125 125			
IRF612 IRF610 IRF622 IRF620 IRF632 IRF630 IRF642 IRF640	200	2.4 1.5 1.2 0.80 0.60 0.40 0.22 0.18	2.6 3.3 4.4 5.2 7.3 9.0 16 18	6.5 8.0 17 18 29 36 64 72	43 43 50 50 73 73 125 125			
IRF615 IRF614 IRF625 IRF624 IRF635 IRF634 IRF645 IRF644	250	3.0 2.0 1.5 1.1 0.68 0.45 0.34 0.28	2.2 2.7 3.8 4.4 6.8 8.4 13 14	8.8 11 12 14 27 34 52 56	36 36 50 50 74 74 125 125			
IRF713 IRF711 IRF723 IRF721 IRF733 IRF731 IRF743 IRF741	350	5.0 3.6 2.5 1.8 1.5 1.0 0.80 0.55	1.7 2.0 2.8 3.3 4.5 5.5 8.3 10	4.3 5.0 11 13 16 20 33 40	36 36 50 50 74 74 125 125			



(1) For lead formed options see rear of section (2) For case outline drawing see rear of section