

# HEXFET

 Power MOSFETs  
Plastic Insertable Package

**International**  
**IR Rectifier**

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



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