HEXFET Power MOSFETs
Plastic Insertable Package

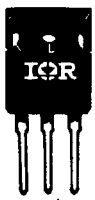
International IOR Rectifier

TO-220 P-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
IRF9512	-100	1.6	-2.5	-10	20	H5	(1)	TO-220AB
IRF9510		1.2	-3.0	-12	20			
IRF9522		0.80	-5.9	-24	60			
IRF9520		0.60	-6.8	-27	60			
IRF9532		0.40	-10	-40	88			
IRF9530		0.30	-12	-48	88			
IRF9542		0.30	-16	-64	150			
IRF9540		0.20	-19	-76	150			
IRF9613	-150	4.5	-1.5	-6.0	20			
IRF9611		3.0	-1.75	-7.0	20			
IRF9623		2.4	-3.0	-12	40			
IRF9621		1.5	-3.5	-14	40			
IRF9633		1.2	-5.5	-22	75			
IRF9631		0.80	-6.5	-26	75			
IRF9643		0.70	-9.0	-36	125			
IRF9641		0.50	-11	-44	125			
IRF9612	-200	4.5	-1.5	-6.0	20			
IRF9610		3.0	-1.75	-7.0	20			
IRF9622		2.4	-3.0	-12	40			
IRF9620		1.5	-3.5	-14	40			
IRF9632		1.2	-5.5	-22	75			
IRF9630		0.80	-6.5	-26	75			
IRF9642		0.70	-9.0	-36	125			
IRF9640		0.50	-11	-44	125			

TO-247 N-Channel

IRFP042	50	0.035	50	200	180	H7	(1)	TO-247AC TO-3P
IRFP040		0.028	56	224	180			
IRFP045	60	0.035	57	228	180			
IRFP044		0.028	57	228	180			
IRFP054		0.014	70	280	210			
IRFP143	80	0.099	27	110	180			
IRFP141		0.080	31	120				
IRFP153		0.077	34	140				
IRFP151		0.055	40	160				
IRFP142	100	0.099	27	110	180			
IRFP140		0.080	31	120				
IRFP152		0.077	34	140				
IRFP150		0.055	40	160				
IRFP243	150	0.22	18	72	150			
IRFP241		0.18	20	80	150			
IRFP253		0.12	27	110	180			
IRFP251		0.085	33	130	180			
IRFP242	200	0.22	18	72	150			
IRFP240		0.18	20	80	150			
IRFP252		0.12	27	110	180			
IRFP250		0.085	33	130	180			
IRFP245	250	0.34	14	56	150			
IRFP244		0.28	15	60	150			
IRFP255		0.17	20	80	180			
IRFP254		0.14	23	92	180			
IRFP343	350	0.80	8.7	35	150			
IRFP341		0.55	11	44	150			
IRFP353		0.40	14	56	180			
IRFP351		0.30	16	64	180			



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

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