

**International**  
**IR Rectifier**
**HEXFET** Power MOSFETs  
 Plastic Insertable Package

**TO-247 N-Channel**

Part Number	V <sub>GS</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
IRFP342	400	0.80	8.7	35	150	H7	(1)	TO-247AC TO-3P
IRFP340		0.55	11	44	150			
IRFP352		0.40	14	56	180			
IRFP350		0.30	16	64	180			
IRFP362		0.25	20	80	250			
IRFP360		0.20	23	92	250			
IRFP443	450	1.1	7.7	31	150			
IRFP441		0.85	8.8	35	150			
IRFP453		0.50	12	48	180			
IRFP451		0.40	14	56	180			
IRFP442	500	1.1	7.7	31	150			
IRFP440		0.85	8.8	35	150			
IRFP449		0.75	9.7	39	170			
IRFP448		0.60	11	44	170			
IRFP452		0.50	12	48	180			
IRFP450		0.40	14	56	180			
IRFP462		0.35	17	68	250			
IRFP460		0.27	20	80	250			
IRFPC30	600	2.2	4.3	17	100			
IRFPC40		1.2	6.8	27	150			
IRFPC50		0.60	11.6	46	180			
IRFPE30	800	3.2	3.7	15	100			
IRFPE42		2.4	4.8	19	150			
IRFPE40		2.0	5.3	21	150			
IRFPE52		1.4	7.8	31	180			
IRFPE50		1.2	7.2	29	180			
IRFPF30	900	4.0	3.3	13	100			
IRFPF42		3.0	4.3	27	150			
IRFPF40		2.5	4.7	29	150			
IRFPF52		1.9	6.2	25	180			
IRFPF50		1.6	6.8	27	180			
IRFPG30	1000	5.6	2.8	11	100			
IRFPG42		4.2	3.9	16	150			
IRFPG40		3.5	4.3	17	150			
IRFPG52		2.4	5.5	22	180			
IRFPG50		2.0	6.1	24	180			


**TO-247 P-Channel**

IRFP9143	-80	3.0	-16	-64	150	H7	(1)	TO-247AC TO-3P
IRFP9141		2.0	-19	-76				
IRFP9142	-100	3.0	-16	-64				
IRFP9140		2.0	-19	-76				
IRFP9243	-150	0.70	-10	-40				
IRFP9241		0.50	-12	-48				
IRFP9242	-200	0.70	-10	-40				
IRFP9240		0.50	-12	-48				



(1) For lead formed options see rear of section

(2) For case outline drawing see rear of section