

N-Channel Power MOSFETs

National Semiconductor
N-Channel Power MOSFETs

Type No.	Case Style	P _D (W) T _C = 25°C	V _{DS} (V) Min	I _D @ T _C = 25°C (A)	I _D @ T _C = 100°C (A)	V _{GS(th)} (V) Min Max	I _D @ (mA) Max	R _{DS(on)} (Ω) Max	I _D (A) @ Max	Q _g (nC) Max	C _{iss} (pF) Min Max	C _{oss} (pF) Min Max	C _{rss} (pF) Min Max	Proc. No.
IRF510	TO-220 (37)	20	100	4	2.5	2 4	0.25	0.6	2	7.5	200	100	30	A1
IRF511	TO-220 (37)	20	60	4	2.5	2 4	0.25	0.6	2	7.5	200	100	30	A1
IRF512	TO-220 (37)	20	100	3.5	2	2 4	0.25	0.8	2	7.5	200	100	30	A1
IRF513	TO-220 (37)	20	60	3.5	2	2 4	0.25	0.8	2	7.5	200	100	30	A1
MTP4N08	TO-220 (37)	50	80	5	3.5	2 4.5	1	0.8	2	7.5	200	100	30	A1
MTP4N10	TO-220 (37)	50	100	5	3.5	2 4.5	1	0.8	2	7.5	200	100	30	A1
IRF610	TO-220 (37)	20	200	2.5	1.5	2 4	0.25	1.5	1	7.5	200	80	25	A2
IRF611	TO-220 (37)	20	150	2.5	1.5	2 4	0.25	1.5	1	7.5	200	80	25	A2
IRF612	TO-220 (37)	20	200	2.0	1.25	2 4	0.25	2.4	1	7.5	200	80	25	A2
IRF613	TO-220 (37)	20	150	2.0	1.25	2 4	0.25	2.4	1	7.5	200	80	25	A2
MTP2N18	TO-220 (37)	50	180	3.25	2.25	2 4.5	1	1.8	1	7.5	200	80	25	A2
MTP2N20	TO-220 (37)	50	200	3.25	2.25	2 4.5	1	1.8	1	7.5	200	80	25	A2
IRF710	TO-220 (37)	20	400	1.5	1	2 4	0.25	3.6	0.8	7.5	200	50	15	A3
IRF711	TO-220 (37)	20	350	1.5	1	2 4	0.25	3.6	0.8	7.5	200	50	15	A3

T-39-01