

National Semiconductor
COOLFETs™

Type No.	Case Style	P _D (W) T _C = 25°C	V _{DSS} (V) Min	I _D @ T _C = 25°C (A)	I _D @ T _C = 100°C (A)	V _{GS} (V) Min Max	I _D (mA) @	R _{DS(on)} (Ω) Max	I _D (A) @	Q _g (nC) Max	C _{iss} (pF) Min Max	C _{oss} (pF) Min Max	C _{rss} (pF) Min Max	Proc. No.
IRFP240CF	TO-3P (40)	150	200	23	14	2 4	0.25	0.144	10	60	1600	750	300	E1
IRFP241CF	TO-3P (40)	150	150	23	14	2 4	0.25	0.144	10	60	1600	750	300	E1
IRFP40CF	TO-220 (40)	125	200	20	13	2 4	0.25	0.144	10	60	1600	750	300	E2
IRFP340CF	TO-3P (40)	150	400	13	8	2 4	0.25	0.44	5	60	1600	450	150	E3
IRFP341CF	TO-3P (40)	150	350	13	8	2 4	0.25	0.44	5	60	1600	450	150	E3
IRF740CF	TO-220 (37)	125	400	11	7	2 4	0.25	0.44	5	60	1600	450	150	E3
IRF840CF	TO-200 (37)	125	500	8.9	5.6	2 4	0.25	0.68	4	60	1600	350	150	E4
IRFP440CF	TO-3P (40)	150	500	10.5	6.5	2 4	0.25	0.68	4	60	1600	350	150	E4
IRFP441CF	TO-3P (40)	150	450	10.5	6.5	2 4	0.25	0.68	4	60	1600	350	150	E4
IRF150CF	TO-204AE (40)	150	100	44	28	2 4	0.25	0.044	20	120	3000	1500	500	F1
IRFP150CF	TO-3P (40)	175	100	44.5	28	2 4	0.25	0.044	20	120	3000	1500	500	F1
IRFP151CF	TO-3P (40)	175	60	44.5	28	2 4	0.25	0.044	20	120	3000	1500	500	F1
IRF250CF	TO-204AE (40)	150	200	33	21	2 4	0.25	0.068	16	120	3000	1200	500	F2
IRFP250CF	TO-3P (40)	175	200	36	23	2 4	0.25	0.068	16	120	3000	1200	500	F2
IRFP251CF	TO-3P (40)	175	150	36	23	2 4	0.25	0.068	16	120	3000	1200	500	F2

T-39-01

N-Channel Power MOSFETs