

N-Channel Power MOSFETs

| Type No. | Case Style | PD (W) T _C = 25°C | V _{DSS} (V) Min | I _D @ T _C = 25°C (A) | I _{DP} @ T _C = 100°C (A) | V _{GS(th)} (V) Min Max | I _D @ (mA) Max | R _{DS(on)} (Ω) @ Max | I _D (A) | Q _g (nC) Max | C _{iss} (pF) | | Proc. No. |
|----------|------------------|---------------------------------|-----------------------------|--|--|------------------------------------|------------------------------|----------------------------------|--------------------|----------------------------|-----------------------|-----|-----------|
| | | | | | | | | | | | Min | Max | |
| IRFP251 | TO-3P (40) | 175 | 150 | 32 | 20 | 2 4 | 0.25 | 0.085 | 16 | 120 | 1200 | 500 | F2 |
| IRF252 | TO-204AE (43) | 150 | 200 | 25 | 15 | 2 4 | 0.25 | 0.12 | 16 | 120 | 1200 | 500 | F2 |
| IRF253 | TO-204AE (43) | 150 | 150 | 25 | 15 | 2 4 | 0.25 | 0.12 | 16 | 120 | 1200 | 500 | F2 |
| 2N6767 | TO-204AA (42) | 150 | 350 | 12 | 7.75 | 2 4 | 1 | 0.4 | 7.75 | 120 (Note 1) | 600 | 200 | F3 |
| 2N6768 | TO-204AA (42) | 150 | 400 | 14 | 9 | 2 4 | 1 | 0.3 | 9 | 120 (Note 1) | 600 | 200 | F3 |
| IRF350 | TO-204AA (42) | 150 | 400 | 15 | 10 | 2 4 | 0.25 | 0.3 | 8 | 120 | 600 | 200 | F3 |
| IRFP350 | TO-3P (40) | 175 | 400 | 17 | 11 | 2 4 | 0.25 | 0.3 | 8 | 120 | 600 | 200 | F3 |
| IRF351 | TO-204AA (42) | 150 | 350 | 15 | 10 | 2 4 | 0.25 | 0.3 | 8 | 120 | 600 | 200 | F3 |
| IRFP351 | TO-3P (40) | 175 | 350 | 17 | 11 | 2 4 | 0.25 | 0.3 | 8 | 120 | 600 | 200 | F3 |
| IRF352 | TO-204AA (42) | 150 | 400 | 13 | 8.5 | 2 4 | 0.25 | 0.4 | 8 | 120 | 600 | 200 | F3 |
| IRF353 | TO-204AA (42) | 150 | 350 | 13 | 8.5 | 2 4 | 0.25 | 0.4 | 8 | 120 | 600 | 200 | F3 |
| 2N6769 | TO-204AA (42) | 150 | 450 | 11 | 7 | 2 4 | 1 | 0.5 | 7 | 120 (Note 1) | 600 | 200 | F4 |
| 2N6770 | TO-204AA (42) | 150 | 500 | 12 | 7.75 | 2 4 | 1 | 0.4 | 7.75 | 120 (Note 1) | 600 | 200 | F4 |
| IRF450 | TO-204AA (42) | 150 | 500 | 13 | 8.5 | 2 4 | 0.25 | 0.4 | 7 | 120 | 600 | 200 | F4 |
| IRFP450 | TO-3P (40) | 175 | 500 | 15 | 9.5 | 2 4 | 0.25 | 0.4 | 7 | 120 | 600 | 200 | F4 |
| IRF451 | TO-204AA (42) | 150 | 450 | 13 | 8.5 | 2 4 | 0.25 | 0.4 | 7 | 120 | 600 | 200 | F4 |
| IRFP451 | TO-3P (40) | 175 | 450 | 15 | 9.5 | 2 4 | 0.25 | 0.4 | 7 | 120 | 600 | 200 | F4 |
| IRF452 | TO-204AA (42) | 150 | 500 | 12 | 7.5 | 2 4 | 0.25 | 0.5 | 7 | 120 | 600 | 200 | F4 |
| IRF453 | TO-204AA (42) | 150 | 450 | 12 | 7.5 | 2 4 | 0.25 | 0.5 | 7 | 120 | 600 | 200 | F4 |

T-39-01

Note 1: Non-JEDEC registered value.

N-Channel Power MOSFETs

