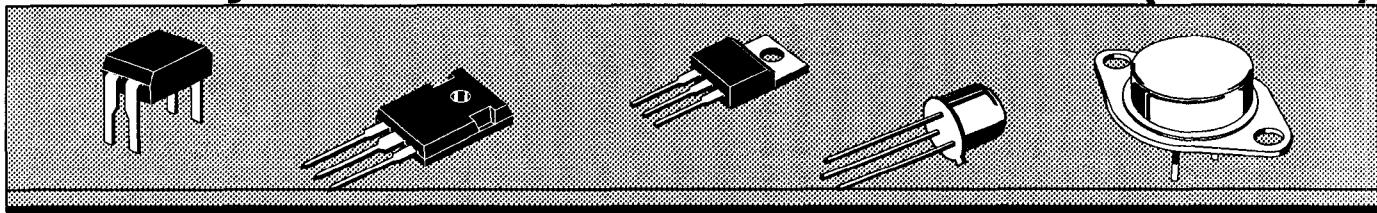


# Industry-Std. Commercial MOSFETs (Cont'd)



| Part Number          | $V_{(BR)DSS}$ (V) | $I_D$ (A) | $r_{DS(ON)}$ ( $\Omega$ ) | Package  |
|----------------------|-------------------|-----------|---------------------------|----------|
| IRF632 <sup>1</sup>  | 200               | 8.0       | 0.60                      | TO-220AB |
| IRF633 <sup>1</sup>  | 150               | 8.0       | 0.60                      | TO-220AB |
| IRF640               | 200               | 18        | 0.18                      | TO-220AB |
| IRF642 <sup>1</sup>  | 200               | 16        | 0.22                      | TO-220AB |
| IRF643 <sup>1</sup>  | 150               | 16        | 0.22                      | TO-220AB |
| IRF720               | 400               | 3.0       | 1.8                       | TO-220AB |
| IRF721 <sup>1</sup>  | 350               | 3.0       | 1.8                       | TO-220AB |
| IRF722 <sup>1</sup>  | 400               | 2.5       | 2.5                       | TO-220AB |
| IRF723 <sup>1</sup>  | 350               | 2.5       | 2.5                       | TO-220AB |
| IRF730               | 400               | 5.5       | 1.0                       | TO-220AB |
| IRF731 <sup>1</sup>  | 350               | 5.5       | 1.0                       | TO-220AB |
| IRF732 <sup>1</sup>  | 400               | 4.5       | 1.5                       | TO-220AB |
| IRF733 <sup>1</sup>  | 350               | 4.5       | 1.5                       | TO-220AB |
| IRF740               | 400               | 10        | 0.55                      | TO-220AB |
| IRF741 <sup>1</sup>  | 350               | 10        | 0.55                      | TO-220AB |
| IRF742 <sup>1</sup>  | 400               | 8.0       | 0.80                      | TO-220AB |
| IRF743 <sup>1</sup>  | 350               | 8.0       | 0.80                      | TO-220AB |
| IRF820               | 500               | 2.5       | 3.0                       | TO-220AB |
| IRF821 <sup>1</sup>  | 450               | 2.5       | 3.0                       | TO-220AB |
| IRF822 <sup>1</sup>  | 500               | 2.0       | 4.0                       | TO-220AB |
| IRF823 <sup>1</sup>  | 450               | 2.0       | 4.0                       | TO-220AB |
| IRF830               | 500               | 4.5       | 1.5                       | TO-220AB |
| IRF831 <sup>1</sup>  | 450               | 4.5       | 1.5                       | TO-220AB |
| IRF832 <sup>1</sup>  | 500               | 4.0       | 2.0                       | TO-220AB |
| IRF833 <sup>1</sup>  | 450               | 4.0       | 2.0                       | TO-220AB |
| IRF840               | 500               | 8.0       | 0.85                      | TO-220AB |
| IRF841 <sup>1</sup>  | 450               | 8.0       | 0.85                      | TO-220AB |
| IRF842 <sup>1</sup>  | 500               | 7.0       | 1.1                       | TO-220AB |
| IRF843 <sup>1</sup>  | 450               | 7.0       | 1.1                       | TO-220AB |
| IRF9130              | -100              | -12       | 0.30                      | TO-204AA |
| IRF9131 <sup>1</sup> | -60               | -12       | 0.30                      | TO-204AA |
| IRF9132 <sup>1</sup> | -100              | -10       | 0.40                      | TO-204AA |
| IRF9133 <sup>1</sup> | -60               | -10       | 0.40                      | TO-204AA |
| IRF9230              | -200              | -6.5      | 0.80                      | TO-204AA |
| IRF9231 <sup>1</sup> | -150              | -6.5      | 0.80                      | TO-204AA |

| Part Number           | $V_{(BR)DSS}$ (V) | $I_D$ (A) | $r_{DS(ON)}$ ( $\Omega$ ) | Package  |
|-----------------------|-------------------|-----------|---------------------------|----------|
| IRF9232 <sup>1</sup>  | -200              | -5.5      | 1.2                       | TO-204AA |
| IRF9233 <sup>1</sup>  | -150              | -5.5      | 1.2                       | TO-204AA |
| IRF9520 <sup>1</sup>  | -100              | -6.0      | 0.60                      | TO-220AB |
| IRF9521               | -60               | -6.0      | 0.60                      | TO-220AB |
| IRF9522 <sup>1</sup>  | -100              | -5.0      | 0.80                      | TO-220AB |
| IRF9523 <sup>1</sup>  | -60               | -5.0      | 0.80                      | TO-220AB |
| IRF9530               | -100              | -12       | 0.30                      | TO-220AB |
| IRF9531 <sup>1</sup>  | -60               | -12       | 0.30                      | TO-220AB |
| IRF9532 <sup>1</sup>  | -100              | -10       | 0.40                      | TO-220AB |
| IRF9533 <sup>1</sup>  | -60               | -10       | 0.40                      | TO-220AB |
| IRF9620               | -200              | -3.5      | 1.5                       | TO-220AB |
| IRF9621 <sup>1</sup>  | -150              | -3.5      | 1.5                       | TO-220AB |
| IRF9622 <sup>1</sup>  | -200              | -3.0      | 2.4                       | TO-220AB |
| IRF9623 <sup>1</sup>  | -150              | -3.0      | 2.4                       | TO-220AB |
| IRF9630               | -200              | -6.5      | 0.80                      | TO-220AB |
| IRF9631 <sup>1</sup>  | -150              | -6.5      | 0.80                      | TO-220AB |
| IRF9632 <sup>1</sup>  | -200              | -5.5      | 1.2                       | TO-220AB |
| IRF9633 <sup>1</sup>  | -150              | -5.5      | 1.2                       | TO-220AB |
| IRFD110               | 100               | 1.0       | 0.60                      | TO-250   |
| IRFD113 <sup>1</sup>  | 60                | 0.80      | 0.80                      | TO-250   |
| IRFD120               | 100               | 1.3       | 0.30                      | TO-250   |
| IRFD123 <sup>1</sup>  | 60                | 1.1       | 0.40                      | TO-250   |
| IRFD210               | 200               | 0.60      | 1.5                       | TO-250   |
| IRFD213 <sup>1</sup>  | 150               | 0.45      | 2.4                       | TO-250   |
| IRFD220               | 200               | 0.80      | 0.80                      | TO-250   |
| IRFD223 <sup>1</sup>  | 150               | 0.70      | 1.2                       | TO-250   |
| IRFD020               | 50                | 2.4       | 0.10                      | TO-250   |
| IRFD022 <sup>1</sup>  | 50                | 2.2       | 0.12                      | TO-250   |
| IRFD9020              | -50               | -1.6      | 0.28                      | TO-250   |
| IRFD9022 <sup>1</sup> | -50               | -1.4      | 0.33                      | TO-250   |
| IRFD9120              | -100              | -1.0      | 0.60                      | TO-250   |
| IRFD9123 <sup>1</sup> | -60               | -0.80     | 0.80                      | TO-250   |

<sup>1</sup>Not recommended for new designs

NOTE: Negative voltage indicates P-Channel MOSFET