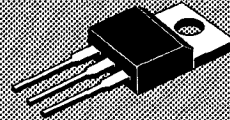


# Power MOSFETs – Plastic Packages

## TO-220AB



### N-Channel

$V_{(BR)DSS}$ (V)	$I_D$ (A)	$r_{DS(ON)}$ ( $\Omega$ )	Part Number
650	5.8	1.5	VNT008D <sup>1</sup>
650	5.0	2.0	VNT009D <sup>1</sup>
600	7.0	1.1	SMP7N60
600	4.0	2.0	SMP4N60
500	8.0	0.85	SMP8N50F <sup>2</sup>
500	4.5	1.5	SMP5N50F <sup>2</sup>
500	2.5	3.0	SMP3N50F <sup>2</sup>
200	20	0.15	SMP20N20
100	40	0.040	SMP40N10
100	30	0.060	SMP30N10
60	60	0.018	SMP60N06-18
60	60	0.014	SMP60N06-14
60	60	0.023	SMP60N06
60	46	0.025	SMP50N06-25
60	25	0.060	SMP25N06
50	60	0.023	SMP60N05 <sup>1</sup>

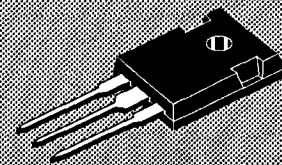
### N-Channel (Cont'd)

$V_{(BR)DSS}$ (V)	$I_D$ (A)	$r_{DS(ON)}$ ( $\Omega$ )	Part Number
50	30	0.040	BUZ11
50	25	0.060	BUZ11A <sup>1</sup>
50	25	0.045	SMP25N05-45L <sup>3</sup>
50	14	0.10	BUZ71
50	14	0.12	BUZ71A
30	60	0.010	SMP60N03-10L

### P-Channel

$V_{(BR)DSS}$ (V)	$I_D$ (A)	$r_{DS(ON)}$ ( $\Omega$ )	Part Number
-200	-11	0.50	SMP11P20
-100	-20	0.20	SMP20P10
-100	-3.0	1.2	SMP3P10
-50	-7.0	0.40	BUZ171

## TO-247AD



### N-Channel

$V_{(BR)DSS}$ (V)	$I_D$ (A)	$r_{DS(ON)}$ ( $\Omega$ )	Part Number
500	14	0.40	SMW14N50F <sup>2</sup>
100	60	0.025	SMW60N10
100	45	0.040	SMW45N10
60	70	0.014	SMW70N06-14
60	70	0.018	SMW70N06 <sup>1</sup>
60	60	0.023	SMW60N06-18

### P-Channel

$V_{(BR)DSS}$ (V)	$I_D$ (A)	$r_{DS(ON)}$ ( $\Omega$ )	Part Number
-200	-12	0.50	SMW12P20
-100	-20	0.20	SMW20P10

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

<sup>2</sup>F Suffix = Integral fast reverse-recovery diode

<sup>3</sup>Logic-level device.  $r_{DS(no)}$  specified at  $V_{GS} = 5V$