

STMicroelectronics Power MOSFETs

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SINGLE N-CHANNEL ENHANCEMENT MODE MOSFETS (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Drain Source Breakdown Voltage (Min.) (V)	Drain Current (Max.) (A)	Total Dissipation @ 25°C (Max.) (W)	Static Drain Source On Resistance		Price Each		
						Max. (Ω)	@ Drain Current (A)	1	10	100
Surface Mount (Cont.)										
511-STL8N10LF3	STL8N10LF3	PowerFlat 5x6	100	7.8	70	0.035	4	2.47	2.10	1.68
511-STL8N10F7	STL8N10F7	PowerFlat-4	100	8	3.5	0.02	4	1.79	1.52	1.21
511-STD10NF10	STD10NF10T4	TO-252	100	10	50	0.13	5	.89	.714	.548
511-STL100N10F7	STL100N10F7	PowerFlat 5x6	100	19	5	0.0073	19	3.52	2.99	2.59
511-STL8DN10LF3	STL8DN10LF3	PowerFlat-5	100	20	70	0.035	7.8	1.73	1.47	1.18
511-STD47N10F7AG	STD47N10F7AG	DKPAK-3	100	22	60	0.018	22.5	1.24	1.06	.817
511-STD15NF10	STD15NF10T4	TO-252	100	23	70	0.065	10	1.15	.988	.759
511-STD25N10F7	STD25N10F7	D2PAK-2	100	25	40	0.035	12.5	2.09	1.69	1.35
511-STH80N10F7-2	STH80N10F7-2	H2PAK-2	100	80	110	0.0095	40	2.54	2.04	1.63
511-STD100N10F7	STD100N10F7	DKPAK	100	80	120	0.01	50	2.33	1.88	1.50
511-STB80NF10	STB80NF10T4	TO-263	100	80	300	0.015	40	2.90	2.33	2.12
511-STH110N10F7-2	STH110N10F7-2	H2PAK-2	100	110	150	0.01	55	2.81	2.39	1.91
511-STH240N10F7-2	STH240N10F7-2	H2PAK-2	100	180	300	0.0025	60	4.70	3.78	3.44
511-STH240N10F7-6	STH240N10F7-6	H2PAK-6	100	180	300	0.0025	60	3.60	2.90	2.64
511-STH310N10F7-2	STH310N10F7-2	H2PAK-2	100	180	315	0.0025	60	6.30	5.67	4.66
511-STH180N10F3-2	STH180N10F3-2	H2PAK-2	100	180	315	0.0045	60	5.73	4.61	4.20
511-STH185N10F3-2	STH185N10F3-2	H2PAK-2	100	180	315	0.0045	60	4.73	4.02	3.48
511-STD25NF20	STD25NF20	DKPAK	200	18	110	0.125	10	.88	.708	.544
511-STB75NF20	STB75NF20	TO-263	200	75	190	0.034	37	4.39	3.53	3.21
511-STD8NF25	STD8NF25	DKPAK	250	6	72	0.318	8	1.11	.893	.686
511-STD5NK40Z	STD5NK40ZT4	TO-252	400	3	45	1.8	1.5	.94	.759	.583
511-STB45N40DM2AG	STB45N40DM2AG	TO-252-3	400	38	250	0.072	19	5.01	4.03	3.67
511-STP8NM50N	STP8NM50N	TO-220	500	5	45	0.79	2.5	1.95	1.57	1.26
511-STB32NM50N	STB32NM50N	D2PAK	500	22	190	0.13	11	7.12	6.41	5.27
511-STB34N50DM2AG	STB34N50DM2AG	TO-252-3	500	26	190	0.12	12.5	4.11	3.30	3.01
511-STB45N50DM2AG	STB45N50DM2AG	TO-252-3	500	35	250	0.084	17.5	5.17	4.16	3.79
511-STD14NM50N	STD14NM50N	TO-252	550	12	90	0.32	6	3.13	2.52	2.29
511-STL3NM60N	STL3NM60N	PowerFlat-3.3	600	2.2	2	1.8	1	1.88	1.60	1.28
511-STD9HN65M2	STD9HN65M2	TO-252-3	600	5.5	60	0.82	2.5	1.09	.882	.677
511-STL12N60M2	STL12N60M2	PowerFlat-8	600	6.5	52	0.495	4.5	1.70	1.37	1.10
511-STD9NM60N	STD9NM60N	DKPAK	600	6.5	70	0.745	3.25	2.04	1.65	1.32
511-STD12N60M2	STD12N60M2	TO-252-3	600	9	85	-	-	1.59	1.35	1.04
511-STD13NM60N	STD13NM60N	TO-252	600	11	90	0.36	5.5	1.60	1.29	1.03
511-STB18N60DM2	STB18N60DM2	D2PAK-3	600	12	90	0.295	6	2.58	2.08	1.66
511-STB24N60M2	STB24N60M2	D2PAK	600	18	150	0.19	9	6.25	5.62	4.62
511-STB28N60DM2	STB28N60DM2	D2PAK-3	600	21	170	0.16	10.5	5.40	4.34	3.95
511-STB35N60DM2	STB35N60DM2	D2PAK-3	600	28	210	0.11	14	4.86	3.91	3.56
511-STB37N60DM2AG	STB37N60DM2AG	TO-252-3	600	28	210	0.11	14	4.86	3.91	3.56
511-STL16N60M2	STL16N60M2	PowerFlat-8	650	8	52	0.355	4	2.51	2.14	1.71
511-STL25N60M2-EP	STL25N60M2-EP	PowerFlat-8	650	16	125	0.205	8	4.18	3.55	3.08
511-STB33N60DM2	STB33N60DM2	D2PAK-3	650	24	190	0.13	12	3.98	3.20	2.92
511-STB45N60DM2AG	STB45N60DM2AG	TO-252-3	650	34	250	0.093	17	5.32	4.27	3.89
511-STB43N65M5	STB43N65M5	D2PAK-3	650	42	250	0.063	21	7.13	6.45	5.34
511-STB23N80K5	STB23N80K5	TO-252-3	800	16	190	0.28	8	5.19	4.17	3.80
511-STD5N95K3	STD5N95K3	TO-252	950	4	90	3.5	2	2.10	1.70	1.36
511-STH6N95K5-2	STH6N95K5-2	H2PAK-3	950	6	110	1.25	3	2.26	1.92	1.54
511-STD4NK100Z	STD4NK100Z	TO-252-3	1000	2.2	90	6.8	1.1	1.79	1.52	1.22
511-STB120NF10	STB120NF10T4	TO-263	1000	120	312	0.0105	60	3.21	2.58	2.35
Thru-Hole										
511-STP6N80K5	STP6N80K5	TO-220-3	30	4.5	85	1.6	2	2.22	1.79	1.43
511-STP27N3LH5	STP27N3LH5	TO-220AB	30	27	45	0.02	13.5	.94	.803	.617
511-STP160N3LL	STP160N3LL	TO-220-3	30	120	136	0.32	6	1.13	.966	.742
511-STP80NF55L-06	STP80NF55L-06	TO-220AB	55	80	300	0.0065	40	2.71	2.31	2.00
511-STP16NF06	STP16NF06	TO-220AB	60	16	45	0.1	8	.82	.685	.442
511-STP45NF06	STP45NF06	TO-220AB	60	38	80	0.028	19	1.09	.879	.675
511-STP55NF06	STP55NF06	TO-220AB	60	50	110	0.018	27.5	1.04	.89	.684
511-STP60NF06	STP60NF06	TO-220AB	60	60	110	0.016	30	1.18	1.00	.774
511-STP90NF06	STP90NF06	TO-220-3	60	84	136	0.0063	45	1.60	1.29	1.03
511-STP220NF07	STP220NF07	TO-220-3	60	120	237	0.024	60	3.32	2.82	2.44
511-STF140N8F7	STF140N8F7	TO-220FP-3	80	64	35	0.0043	32	3.65	2.93	2.67
511-STP270N8F7	STP270N8F7	TO-220-3	80	180	315	0.0025	90	6.77	6.12	5.07
511-STF110N10F7	STF110N10F7	TO-220FP-3	100	45	30	0.007	45	2.35	2.00	1.60
511-STF150N10F7	STF150N10F7	TO-220-3	100	65	35	0.0042	55	3.16	2.69	2.33
511-STP100N10F7	STP100N10F7	TO-220-3	100	80	150	0.0068	50	2.35	2.00	1.60
511-STP80NF10	STP80NF10	TO-220AB	100	80	300	0.015	40	2.69	2.29	1.83
511-STP110N10F7	STP110N10F7	TO-220-3	100	110	150	0.007	55	2.42	1.95	1.56
511-STI150N10F7	STI150N10F7	TO-262-3	100	110	250	33	72	2.74	2.33	1.86
511-STP240N10F7	STP240N10F7	TO-220-3	100	110	300	0.0032	60	5.91	4.75	4.22
511-STP120NF10	STP120NF10	TO-220AB	100	110	312	0.0105	60	3.03	2.44	1.95
511-STP45N40DM2AG	STP45N40DM2AG	TO-220-3	400	38	250	0.072	19	5.29	4.49	3.90
511-STP32NM50N	STP32NM50N	TO-220	500	13.9	190	0.13	11	4.76	4.04	3.51
511-STW32NM50N	STW32NM50N	TO-247	500	13.9	190	0.13	11	6.01	4.83	4.40
511-STF9HN65M2	STF9HN65M2	TO-220-3	600	5.5	20	0.82	2.5	1.16	.994	.763
511-STU9HN65M2	STU9HN65M2	I2PAK-3	600	5.5	60	0.82	2.5	1.09	.938	.72
511-STF12N60M2	STF12N60M2	TO-220-3	600	9	25	0.45	4.5	1.69	1.36	1.09
511-STF12N60M2	STF12N60M2	I2PAK-3	600	9	25	0.45	4.5	1.69	1.36	1.09
511-STP10NM60N	STP10NM60N	TO-220AB	600	10	70	0.55	4	2.86	2.31	1.84
511-STF16N60M2	STF16N60M2	TO-220-3	600	12	25	0.32	6	1.92	1.63	1.31
511-STP18N60DM2	STP18N60DM2	TO-220-3	600	12	90	0.295	6	2.56	2.06	1.65
511-STW18N60DM2	STW18N60DM2	TO-247-3	600	12	90	0.295	6	2.89	2.33	1.87
511-STP16N60M2	STP16N60M2	TO-220-3	600	12	110	0.45	4.5	2.62	2.11	1.69
511-STFU24N60M2	STFU24N60M2	TO-220FP-3	600	18	30	0.19	9	6.37	5.73	4.71
511-STFW24N60M2	STFW24N60M2	TO-3P-3	600	18	48	0.19	9	3.97	3.37	2.92
511-STP24N60M2	STP24N60M2	TO-220	600	18	150	0.168	9	3.75	3.19	2.76
511-STW26NM60N	STW26NM60N	TO-247	600	20	140	0.165	10	6.55	5.57	4.83
511-STP28N60DM2	STP28N60DM2	TO-220-3	600	21	170	0.16	10.5	5.31	4.27	3.89
511-STW28N60DM2	STW28N60DM2	TO-247-3	600	21	170	0.16	10.5	5.51	4.43	4.03
511-STI33N60M2	STI33N60M2	TO-262-3	600	26	190	0.125	13	4.69	3.99	3.45
511-STF35N60DM2	STF35N60DM2	TO-220FP-3	600	28	40	0.11	14	4.63	3.93	3.41
511-STP35N60DM2	STP35N60DM2	TO-220-3	600	28	210	0.11	14	4.90	3.93	3.59
511-STW35N60DM2	STW35N60DM2	TO-247-3	600	28	210	0.11	14	5.42	4.36	3.97
511-STW37N60DM2AG	STW37N60DM2AG	TO-247-3	600	28	210	0.11	14	5.13	4.36	3.77