

STMICROELECTRONICS Power MOSFET Transistors



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SINGLE P-CHANNEL ENHANCEMENT MODE MOSFETS (CONT.)

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Drain Source Breakdown Voltage (Min) (V)	Drain Current (Cont) (Max) (A)	Total Dissipation @ 25°C (Max) (W)	Static Drain Source On Resistance		Price Each			
						Ohms (Max)	@ Drain Current (A)	1	10	100	250
511-STP80PF55	STP80PF55	TO-220AB	-55	-80.0	300.0	0.018	40.0	2.98	2.68	2.13	1.89
511-STP12PF06	STP12PF06	TO-220AB	-60	-12.0	225.0	0.200	10.0	.88	.76	.57	.51

SINGLE N-CHANNEL ENHANCEMENT MODE MOSFETS

These Power MOSFETs are STMicroelectronics unique "Single Feature Size™" strip-based process. The resulting transistor shows extremely high packing density for low on-resistance, rugged avalanche characteristics and less critical alignment steps therefore a remarkable manufacturing reproducibility.



For quantities greater than listed, call for quote.

Surface Mount											
MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Drain Source Breakdown Voltage (Min) (V)	Drain Current (Cont) (Max) (A)	Total Dissipation @ 25°C (Max) (W)	Static Drain Source On Resistance Ohms (Max)	Static Drain Source On Resistance @ Drain Current (A)	1	10	100	250
511-STSS5DNF20V	STSS5DNF20V	SO-8	20	5.0	1.6	0.040	2.50	1.10	.98	.783	.681
511-STD10NM60N	STD10NM60N	TO-252	25	10.0	70.0	0.550	4.00	2.94	2.52	2.00	1.78
511-STL10N3LLH5	STL10N3LLH5	PowerFLAT-3	30	9.0	50.0	0.019	4.50	1.07	.96	.793	.715
511-STL11N3LLH6	STL11N3LLH6	PowerFlat-8	30	11.0	50.0	0.0075	5.50	1.58	1.42	1.17	1.05
511-STL12N3LLH5	STL12N3LLH5	PowerFLAT-3	30	12.0	50.0	0.009	6.00	1.11	.997	.823	.743
511-STL56N3LLH5	STL56N3LLH5	PowerFLAT-5	30	15.0	62.5	0.009	7.50	1.14	1.02	.847	.764
511-STD17NF03L	STD17NF03LT4	TO-252	30	17.0	30.0	0.050	8.50	.84	.72	.586	.525
511-STL17N3LLH6	STL17N3LLH6	PowerFlat-8	30	17.0	50.0	0.0045	8.50	1.64	1.48	1.19	1.06
511-STL60N3LLH5	STL60N3LLH5	PowerFlat-8	30	17.0	60.0	0.0071	8.50	2.96	2.59	2.10	1.85
511-STL80N3LLH6	STL80N3LLH6	PowerFlat-8	30	21.0	60.0	0.0052	10.50	1.64	1.48	1.19	1.06
511-STS26N3LLH6	STS26N3LLH6	SO-8	30	26.0	2.7	0.0044	13.00	2.45	2.30	1.85	1.61
511-STL160N3LLH6	STL160N3LLH6	PowerFlat-8	30	35.0	80.0	0.0013	17.50	3.64	3.26	2.69	2.43
511-STL51N3LLH5	STL51N3LLH5	PowerFLAT-6	30	51.0	62.5	0.0145	6.30	.86	.75	.581	.506
511-STD155N3H6	STD155N3H6	PowerFLAT-8	30	80.0	110	0.003	80.00	2.31	1.96	1.61	1.44
511-STD155N3LH6	STD155N3LH6	PowerFLAT-8	30	80.0	110	0.003	80.00	2.46	2.18	1.76	1.57
511-STD96N3LLH6	STD96N3LLH6	TO-252	30	80.0	70.0	0.0042	40.00	1.57	1.47	1.32	1.15
511-STL140N4LLF5	STL140N4LLF5	PowerFlat-8	40	32.0	80.0	0.00275	16.00	3.08	2.77	2.25	1.94
511-STD55N4F5	STD55N4F5	TO-252	40	55.0	60.0	0.0085	27.50	1.15	.991	.806	.722
511-STB120N4F6	STB120N4F6	TO-263	40	80.0	110.0	0.004	40.00	3.08	2.77	2.25	1.94
511-STB120N4LF6	STB120N4LF6	TO-263	40	80.0	110.0	0.005	40.00	3.08	2.77	2.25	1.94
511-STD120N4F6	STD120N4F6	TO-252	40	80.0	110.0	0.004	40.00	3.04	2.85	2.32	2.09
511-STD120N4LF6	STD120N4LF6	TO-252	40	80.0	110.0	0.005	40.00	3.04	2.85	2.32	2.09
511-STD95N4LF3	STD95N4LF3	TO-252	40	80.0	110.0	0.006	40.00	2.25	1.91	1.55	1.38
511-STB95N4F3	STB95N4F3	D2PAK	40	80.0	110.0	5.800	40.00	2.63	2.25	1.83	1.64
511-STB100NF04	STB100NF04T4	TO-263	40	120.0	300.0	0.0046	50.00	3.29	2.79	2.25	2.08
511-STH270N4F3-6	STH270N4F3-6	H2PAK-6I	40	180.0	300.0	0.0017	80.00	5.41	4.75	4.23	3.67
511-STV270N4F3	STV270N4F3	PowerSO-10	40	270.0	300.0	0.0015	80.00	5.98	5.16	4.27	3.80
511-STD60N55F3	STD60N55F3	TO-252	55	80.0	110.0	0.0085	32	2.25	1.91	1.24	1.20
511-STB80NF55-08	STB80NF55-08T4	TO-263	55	80.0	320.0	0.008	40.00	3.13	2.67	2.16	1.93
511-STV250N55F3	STV250N55F3	PowerSO-10	55	250.0	300.0	0.0022	75.00	6.77	5.84	4.85	4.35
511-STN3NF06	STN3NF06	SOT-223	60	4.0	3.3	0.100	1.50	.95	.81	.63	.54
511-STL35N6F3	STL35N6F3	PowerFLAT-5	60	10.0	80.0	0.022	3.00	1.80	1.62	1.30	1.16
511-STL85N6F3	STL85N6F3	PowerFlat-8	60	19.0	4.0	0.0057	8.50	3.46	3.11	2.54	2.31
511-STL7DN6LF3	STL7DN6LF3	PowerFLAT-5	60	20.0	52.0	0.043	6.50	1.42	1.18	1.01	.85
511-STD20NF06L	STD20NF06LT4	TO-252	60	24.0	60.0	0.040	12.00	1.08	.96	.78	.68
511-STN3NF06	STN3NF06	SOT-223	60	4.0	3.3	0.100	1.50	.95	.81	.63	.54
511-STL85N6F3	STL85N6F3	PowerFlat-8	60	19.0	4.0	0.0057	8.50	3.46	3.11	2.54	2.31
511-STD20NF06L	STD20NF06LT4	TO-252	60	24.0	60.0	0.040	12.00	1.08	.96	.78	.68
511-STD35NF06	STD35NF06T4	TO-252	60	35.0	80.0	0.020	17.50	1.48	1.32	1.05	.94
511-STB55NF06	STB55NF06T4	TO-263	60	50.0	110.0	0.018	27.50	2.25	1.66	1.24	1.20
511-STD70N6F3	STD70N6F3	DPAK	60	70.0	110.0	0.105	35.00	2.83	2.42	1.97	1.77
511-STH260N6F6-2	STH260N6F6-2	H2PAK-2	60	180.0	300.0	0.002	90.00	6.72	5.88	5.28	4.56
511-STD45NF75	STD45NF75T4	TO-252	75	40.0	100.0	0.024	20.00	1.73	1.58	1.28	1.11
511-STB75NF75L	STB75NF75LT4	TO-263	75	75.0	300.0	0.011	37.50	3.16	2.82	2.27	2.10
511-STB160N75F3	STB160N75F3	TO-263	75	120.0	330.0	0.0037	60.00	5.83	5.24	4.27	3.88
511-STL80N75F6	STL80N75F6	PowerFLAT-6	75	80.0	80.0	0.0063	9.00	4.93	4.40	3.61	3.25
511-STH210N75F6-2	STH210N75F6-2	H2PAK-2	75	180.0	300.0	0.002	90.00	6.80	5.97	5.32	4.62
511-STH240N75F3-6	STH240N75F3-6	H2PAK-6	75	180.0	300.0	0.003	90.00	6.91	6.23	5.04	4.59
511-STV240N75F3	STV240N75F3	PowerSO-10	75	240.0	300.0	0.0026	120.00	6.14	5.53	4.50	4.09
511-STN2NF10	STN2NF10	SOT-223	100	2.4	3.3	0.260	1.20	.98	.84	.65	.58
511-STD6NF10	STD6NF10T4	TO-252	100	6.0	30.0	0.250	3.00	1.05	.94	.75	.66
511-STD10NF10	STD10NF10T4	TO-252	100	10.0	50.0	0.130	5.00	.94	.82	.66	.56
511-STL8DN10LF3	STL8DN10LF3	PowerFLAT-5	100	20.0	70.0	0.035	7.80	2.07	1.72	1.48	1.24
511-STD15NF10	STD15NF10T4	TO-252	100	23.0	70.0	0.065	10.00	1.24	1.06	.90	.78
511-STD26NF10	STD26NF10	TO-252	100	25.0	100.0	0.038	12.50	1.52	1.18	1.09	1.05
511-STF130N10F3	STF130N10F3	TO-220FP	100	29.0	35.0	0.0096	46.00	3.87	3.62	3.36	3.10
511-STH130N10F3-2	STH130N10F3-2	H2PAK-2	100	78.0	250.0	0.0093	120.00	4.02	3.62	3.35	2.82
511-STB80NF10	STB80NF10T4	TO-263	100	80.0	300.0	0.015	40.00	3.42	2.96	2.41	2.12
511-STH180N10F3-2	STH180N10F3-2	H2PAK-2	100	180.0	315.0	0.0045	60.00	5.74	5.02	4.51	3.90
511-STH180N10F3-6	STH180N10F3-6	H2PAK-6	100	180.0	315.0	0.004	60.00	5.19	4.56	4.06	3.52
511-STS5N15F3	STS5N15F3	SO-8	150	5.0	2.5	0.057	2.50	2.88	2.70	2.17	1.90
511-STS5N15F4	STS5N15F4	SO-8	150	5.0	2.5	0.063	2.50	1.49	1.31	1.03	.89
511-STL25N15F3	STL25N15F3	PowerFlat-8	150	6.0	80.0	0.057	3.00	3.62	3.26	2.65	2.41
511-STL35N15F3	STL35N15F3	PowerFLAT 5x6	150	33.0	80.0	0.0355	3.50	3.94	3.52	2.82	2.54
511-STD5N20	STD5N20T4	TO-252	200	5.0	45.0	0.800	2.50	.76	.654	.532	.477
511-STB19NF20	STB19NF20	TO-263	200	15.0	90.0	0.160	7.50	2.17	1.85	1.50	1.34
511-STP20NF20	STP20NF20	TO-220AB	200	18.0	110.0	0.125	10.00	1.89	1.68	1.31	1.14
511-STB30NF20	STB30NF20	TO-263	200	30.0	125.0	0.075	15.00	2.92	2.62	2.16	1.95
511-STB40NF20	STB40NF20	TO-263	200	40.0	160.0	0.045	20.00	3.42	2.96	2.41	2.12
511-STB75NF20	STB75NF20	TO-263	200	75.0	190.0	0.034	37.00	4.75	4.25	3.40	3.08
511-STE140NF20D	STE140NF20D	ISOTOP	200	140.0	500.0	0.012	70.00	45.29	42.39	36.73	34.31
511-STD8NF25	STD8NF25	DPAK	250	6.0	72.0	0.318	8.00	.96	.87	.80	.67
511-STD8NM50N	STD8NM50N	DPAK	500	5.0	45.0	0.79	2.50	1.86	1.68	1.35	1.20
511-STP8NM50N	STP8NM50N	TO-220	500	5.0	45.0	0.79	2.50	1.95	1.76	1.42	1.26
511-STD5NM50	STD5NM50T4	TO-252	500	7.5	100.0	0.800	2.50	1.74	1.66	1.29	1.25
511-STD11NM50N	STD11NM50N	TO-252	500	9.0	70.0	0.470	4.50	2.59	2.22	1.80	1.61
511-STB14NM50N	STB14NM50N	TO-263	500	12.0	90.0	0.320	6.00	3.30	2.97	2.42	2.20
511-STB23NM50N	STB23NM50N	TO-263	500	17.0	125.0	0.190	8.50	4.83	4.14	3.37	3.02
511-STB28NM50N	STB28NM50N	TO-263	500	21.0	90.0	0.158	10.50	7.46	6.40	5.20	4.66
511-STD5N52U	STD5N52U	TO-252	525	4.4	70.0	1.500	2.20	1.49	1.34	1.05	.90
511-STD14NM50N	STD14NM50N	TO-252	550	12.0	90.0	0.320	6.00	3.00	2.70	2.20	2.00
511-STL7NM60N	STL7NM60N	PowerFlat-14	600	5.8	68.0	0.900	2.50	2.96	2.59	2.10	1.85
511-STD9NM60N	STD9NM60N	DPAK	600	6.5	70.0	0.745	3.25	2.04	1.85	1.49	1.32
511-STD8NM60ND	STD8NM60ND	TO-252	600	7.0	70.0	0.700	3.50	2.78	2.36	1.91	1.71
511-STD13NM60N	STD13NM60N	TO-252	600	11.0	90.0	0.360	5.50	3.78	3.40	2.77	2.52
511-STL24NM60N	STL24NM60N	PowerFlat	600	16.0	125.0	0.215	8.00	8.38	7.50	6.19	5.58
511-STB24NM60N	STB24NM60N	TO-263	600	17.0	125.0	0.190	8.00	5.46	4.77	4.29	3.71
511-STL26NM60N	STL26NM60N	PowerFlat	600	19.0	125.0	0.185	10.00	9.70	8.68	7.17	6.47
511-STB23NM60ND	STB23NM60ND	TO-263	600	19.5	150.0	0.180	10.00	6.78	5.93	4.87	4.58
511-STD5NM60	STD5NM60T4	TO-252	650	5.0	96.0	1.000	2				