

STMicroelectronics Power MOSFET Transistors



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SINGLE N-CHANNEL ENHANCEMENT MODE MOSFETS (CONT.)

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.

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
Surface Mount (Cont.)											
511-STD10NM60ND	STD10NM60ND	DDPAK	650	8.0	70.0	0.600	4.00	3.26	2.80	2.27	2.04
511-STB11NM80	STB11NM80T4	TO-263	800	11.0	150.0	0.400	5.50	6.96	6.12	4.87	4.48
511-STD5N95K3	STD5N95K3	TO-252	950	4.0	90.0	3.500	2.00	2.87	2.46	2.00	1.79
511-STW25N95K3	STW25N95K3	TO-247	950	22.0	400.0	0.36	11.00	16.64	13.99	12.87	11.74
511-STB120NF10	STB120NF10T4	TO-263	1000	120.0	312.0	0.0105	60.00	3.36	3.01	2.48	2.24
Thru-Hole											
511-STL120N2VH5	STL120N2VH5	PowerFLAT-6	20	120.0	80.0	0.003	14.00	2.68	2.42	1.95	1.73
511-STP27N3LH5	STP27N3LH5	TO-220AB	30	27.0	45.0	0.020	13.50	.95	.84	.65	.58
511-STP60N3LH5	STP60N3LH5	TO-220AB	30	48.0	60.0	0.0084	24.00	1.21	1.08	.86	.75
511-STP100NF04	STP100NF04	TO-220AB	40	100.0	300.0	0.0046	50.00	3.11	2.76	2.24	2.01
511-STP80NF55-06	STP80NF55-06	TO-220AB	55	80.0	300.0	0.0065	40.00	2.60	2.32	1.84	1.61
511-STP80NF55-08	STP80NF55-08	TO-220AB	55	80.0	300.0	0.008	40.00	2.49	2.23	1.78	1.57
511-STP80NF55L-06	STP80NF55L-06	TO-220AB	55	80.0	300.0	0.0065	40.00	2.90	2.57	2.13	1.88
511-STP85NF55	STP85NF55	TO-220AB	55	80.0	300.0	0.008	40.00	2.49	2.23	1.78	1.57
511-STP16NF06	STP16NF06	TO-220AB	60	16.0	45.0	0.100	8.00	.85	.75	.57	.49
511-STP45NF06	STP45NF06	TO-220AB	60	38.0	80.0	0.028	19.00	1.15	.97	.83	.73
511-STP55NF06	STP55NF06	TO-220AB	60	50.0	110.0	0.018	27.50	1.27	1.11	.87	.76
511-STP60NF06	STP60NF06	TO-220AB	60	60.0	110.0	0.016	30.00	1.59	1.24	1.14	.99
511-STP65NF06	STP65NF06	TO-220AB	60	60.0	110.0	0.014	30.00	1.57	1.38	1.09	.97
511-STI260NF6	STI260NF6	I2PAK-3	60	120.0	300.0	0.003	60.00	5.67	5.17	4.15	3.57
511-STI260NF6F	STI260NF6F	I2PAK-3	60	120.0	300.0	0.003	60.00	5.67	5.17	4.15	3.57
511-STP200NF3	STP200NF3	TO-220AB	60	120.0	330.0	3.800	60.00	4.58	4.15	3.40	3.02
511-STP78N75F4	STP78N75F4	TO-220AB	75	78.0	150.0	0.011	39.00	1.79	1.61	1.30	1.15
511-STP210N75F6	STP210N75F6	TO-220	75	120.0	300.0	0.037	60.00	7.13	6.29	5.09	4.55
511-STP260NF6F	STP260NF6F	TO-220	75	120.0	300.0	0.24	60.00	7.66	6.76	5.47	4.89
511-STP140NF75	STP140NF75	TO-220AB	75	120.0	310.0	0.0075	70.00	2.96	2.66	2.11	1.86
511-STW160N75F3	STW160N75F3	TO-247	75	120.0	330.0	0.004	60.00	6.91	5.97	4.85	4.36
511-STP14NF10	STP14NF10	TO-220AB	100	15.0	60.0	0.130	7.00	.88	.78	.62	.54
511-STP80NF10	STP80NF10	TO-220AB	100	80.0	300.0	0.015	40.00	2.94	2.65	2.13	1.88
511-STP120NF10	STP120NF10	TO-220AB	100	110.0	312.0	0.0105	60.00	2.85	2.52	2.15	1.87
511-STW120NF10	STW120NF10	TO-247	100	110.0	312.0	0.0105	60.00	3.84	3.40	2.74	2.45
511-STP130N10F3	STP130N10F3	TO-220	100	120.0	250.0	0.0096	23.00	3.70	3.30	2.70	2.44
511-STP165N10F4	STP165N10F4	TO-220AB	100	120.0	315.0	0.0055	60.00	4.56	4.01	3.26	2.91
511-STP180N10F3	STP180N10F3	TO-220	100	120.0	315.0	0.51	60.00	6.50	5.73	4.64	4.14
511-STP80NF12	STP80NF12	TO-220AB	120	80.0	300.0	0.018	40.00	2.81	2.45	2.01	1.80
511-IRF630	IRF630	TO-220AB	200	9.0	75.0	0.400	5.00	1.05	.91	.75	.65
511-STF40NF20	STF40NF20	TO-220FP	200	40.0	40.0	0.045	20.00	3.19	2.76	2.33	2.03
511-STP75NF20	STP75NF20	TO-220AB	200	75.0	190.0	0.034	37.00	3.90	3.48	2.85	2.57
511-STW75NF20	STW75NF20	TO-247	200	75.0	190.0	0.034	37.00	4.10	3.64	2.96	2.61
511-STW90NF20	STW90NF20	TO-247	200	83.0	300.0	0.023	45.00	6.04	5.50	4.55	4.11
511-STY130NF20D	STY130NF20D	MAX247	200	130.0	450.0	0.012	65.00	19.20	16.53	14.88	12.66
511-STP17NF25	STP17NF25	TO-220AB	250	17.0	90.0	0.165	8.50	2.12	1.91	1.53	1.36
511-STW75NF30	STW75NF30	TO-247	300	60.0	320.0	0.045	30.00	6.75	6.15	5.22	4.70
511-STB18NF30	STB18NF30	D2PAK	330	18.0	150.0	18.000	18.00	2.88	2.61	2.09	1.86
511-STP10NM50N	STP10NM50N	TO-220AB	500	7.0	70.0	0.630	3.50	2.30	2.06	1.77	1.58
511-STP9NK50ZFP	STP9NK50ZFP	TO-220AB	500	7.2	30.0	0.850	3.60	2.50	2.33	1.92	1.70
511-STP11NM50N	STP11NM50N	TO-220AB	500	8.5	70.0	0.470	4.50	2.87	2.53	2.05	1.83
511-STP12NM50FP	STP12NM50FP	TO-220FP	500	12.0	35.0	0.350	6.00	3.68	3.20	2.69	2.43
511-STP14NM50N	STP14NM50N	TO-220AB	500	12.0	90.0	0.320	6.00	3.15	2.80	2.34	2.09
511-STP12NM50	STP12NM50	TO-220AB	500	12.0	160.0	0.350	6.00	3.91	3.46	2.80	2.62
511-STW19NM50N	STW19NM50N	TO-247	500	14.0	110.0	0.250	7.00	4.90	4.37	3.61	3.31
511-STP23NM50N	STP23NM50N	TO-220AB	500	17.0	125.0	0.190	8.50	5.20	4.58	3.71	3.31
511-STP20NM50	STP20NM50	TO-220AB	500	20.0	192.0	0.250	10.00	5.20	4.67	3.72	3.41
511-STP20NM50FD	STP20NM50FD	TO-220AB	500	20.0	192.0	0.250	10.00	6.25	5.56	4.59	4.10
511-STP28NM50N	STP28NM50N	TO-220AB	500	21.0	90.0	0.158	10.50	5.90	5.25	4.28	3.85
511-STW28NM50N	STW28NM50N	TO-247	500	21.0	150.0	0.158	10.50	6.30	5.63	4.64	4.27
511-STW26NM50	STW26NM50	TO-247	500	30.0	313.0	0.120	13.00	10.00	8.93	7.36	6.77
511-STW45NM50	STW45NM50	TO-247	500	45.0	417.0	0.100	22.50	11.12	10.19	8.53	7.78
511-STE53NC50	STE53NC50	ISOTOP	500	53.0	460.0	0.080	27.00	36.33	33.54	28.70	26.42
511-STY60NM50	STY60NM50	MAX247	500	60.0	560.0	0.050	30.00	32.17	27.70	24.93	21.22
511-STE70NM50	STE70NM50	ISOTOP	500	70.0	600.0	0.050	30.00	45.73	41.59	36.46	34.19
511-STF4N52K3	STF4N52K3	DDPAK	525	2.5	45.0	2.600	1.25	.91	.807	.664	.594
511-STE48NM50	STE48NM50	ISOTOP	550	48.0	450.0	0.100	13.50	29.16	27.15	23.50	21.87
511-STP10NM60N	STP10NM60N	TO-220AB	600	10.0	70.0	0.550	4.00	2.86	2.58	2.07	1.84
511-STF13NM60N	STF13NM60N	TO-220FP	600	11.0	25.0	0.360	5.50	3.53	3.15	2.58	2.33
511-STP13NM60N	STP13NM60N	TO-220AB	600	11.0	90.0	0.360	5.50	4.62	4.07	3.30	2.94
511-STF18NM60N	STF18NM60N	TO-220AB	600	13.0	30.0	0.285	6.50	5.20	4.67	3.72	3.41
511-STP20NM60FP	STP20NM60FP	TO-220FP	600	20.0	45.0	0.290	10.00	5.67	5.17	4.15	3.57
511-STP26NM60N	STP26NM60N	TO-220AB	600	20.0	140.0	0.165	10.00	7.91	6.97	5.65	5.04
511-STW26NM60N	STW26NM60N	TO-247	600	20.0	140.0	0.165	10.00	6.52	5.88	4.82	4.34
511-STP20NM60	STP20NM60	TO-220AB	600	20.0	192.0	0.290	10.00	5.67	5.17	4.15	3.57
511-STP20NM60FD	STP20NM60FD	TO-220AB	600	20.0	192.0	0.290	10.00	5.82	5.16	4.20	3.86
511-STW20NM60	STW20NM60	TO-247	600	20.0	192.0	0.290	10.00	5.67	5.17	4.15	3.57
511-STW20NM60FD	STW20NM60FD	TO-247	600	20.0	214.0	0.290	10.00	6.25	5.56	4.59	4.10
511-STP34NM60N	STP34NM60N	TO-220AB	600	29.0	210.0	0.105	14.50	10.00	8.82	7.14	6.38
511-STW55NM60ND	STW55NM60ND	TO-247	600	51.0	350.0	0.060	25.50	19.62	17.53	14.46	13.29
511-STP11NM60ND	STP11NM60ND	TO-220AB	650	11.0	90.0	0.450	5.00	3.50	3.10	2.57	2.28
511-STP11NM60	STP11NM60	TO-220AB	650	11.0	160.0	0.450	5.50	3.52	3.10	2.52	2.28
511-STP21NM60ND	STP21NM60ND	TO-220AB	650	17.0	140.0	0.220	8.50	6.13	5.45	4.43	3.98
511-STP24NM60N	STP24NM60N	TO-220AB	650	17.0	125.0	0.190	8.00	5.90	5.25	4.28	3.85
511-STB34NM60ND	STB34NM60ND	D2PAK	650	18.0	190.0	0.110	14.50	11.83	10.14	8.25	7.39
511-STP23NM60ND	STP23NM60ND	TO-220AB	650	19.5	150.0	0.180	10.00	8.68	7.65	6.20	5.54
511-STW25NM60ND	STW25NM60ND	TO-247	650	21.0	160.0	0.160	10.50	8.18	7.21	6.10	5.64
511-STW43NM60N	STW43NM60N	TO-247	650	35.0	255.0	0.088	17.50	9.30	8.45	7.18	6.55
511-STW43											