

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
Thru-Hole (Cont.)											
511-STP80NF10	STP80NF10	TO-220AB	100	80.0	300.0	0.015	40.00	2.76	2.25	2.00	1.60
511-STP120NF10	STP120NF10	TO-220AB	100	110.0	312.0	0.0105	60.00	2.82	2.52	2.06	1.86
511-STW120NF10	STW120NF10	TO-247	100	110.0	312.0	0.0105	60.00	3.47	2.81	2.24	1.94
511-STP165N10F4	STP165N10F4	TO-220AB	100	120.0	315.0	0.0055	60.00	4.54	4.05	3.32	2.99
511-STP80NF12	STP80NF12	TO-220AB	120	80.0	300.0	0.018	40.00	2.81	2.35	2.01	1.76
511-IRF630	IRF630	TO-220AB	200	9.0	75.0	0.400	5.00	1.05	.84	.735	.645
511-STF40NF20	STF40NF20	TO-220FP	200	40.0	40.0	0.045	20.00	3.04	2.51	2.05	1.86
511-STP80N20M5	STP80N20M5	TO-220AB	200	61.0	190.0	0.023	30.50	6.58	5.87	4.81	4.34
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	3.56	2.87	2.31	2.00
511-STW90NF20	STW90NF20	TO-247	200	83.0	300.0	0.023	45.00	5.15	5.08	4.42	3.81
511-STY130NF20D	STY130NF20D	MAX247	200	130.0	450.0	0.012	65.00	19.11	15.28	13.65	11.46
511-STP17NF25	STP17NF25	TO-220AB	250	17.0	90.0	0.165	8.50	1.82	1.43	1.32	1.12
511-STP30NM30N	STP30NM30N	TO-220AB	300	30.0	160.0	0.090	15.00	6.30	5.67	4.66	4.28
511-STW75NF30	STW75NF30	TO-247	300	60.0	320.0	0.045	30.00	5.80	5.71	4.98	4.30
511-STP10NM50N	STP10NM50N	TO-220AB	500	7.0	70.0	0.630	3.50	2.30	2.06	1.82	1.66
511-STP9NK50ZFP	STP9NK50ZFP	TO-220AB	500	7.2	30.0	0.850	3.60	1.78	1.60	1.48	1.34
511-STP11NM50N	STP11NM50N	TO-220AB	500	8.5	70.0	0.470	4.50	2.67	2.41	1.93	1.72
511-STP12NM50FP	STP12NM50FP	TO-220FP	500	12.0	35.0	0.350	6.00	3.64	3.05	2.51	2.16
511-STP14NM50N	STP14NM50N	TO-220AB	500	12.0	90.0	0.320	6.00	2.88	2.57	2.11	1.90
511-STP12NM50	STP12NM50	TO-220AB	500	12.0	160.0	0.350	6.00	3.92	3.28	2.64	2.28
511-STP19NM50N	STP19NM50N	TO-220AB	500	14.0	110.0	0.250	7.00	3.42	3.05	2.50	2.25
511-STW19NM50N	STW19NM50N	TO-247	500	14.0	110.0	0.250	7.00	5.76	5.14	4.21	3.80
511-STP23NM50N	STP23NM50N	TO-220AB	500	17.0	125.0	0.190	8.50	4.48	4.00	3.28	2.96
511-STP20NM50FP	STP20NM50FP	TO-220FP	500	20.0	45.0	0.250	10.00	6.17	5.17	4.15	3.59
511-STP20NM50	STP20NM50	TO-220AB	500	20.0	192.0	0.250	10.00	5.18	4.33	3.48	3.01
511-STP20NM50FD	STP20NM50FD	TO-220AB	500	20.0	192.0	0.250	10.00	5.58	5.01	4.03	3.48
511-STW20NM50	STW20NM50	TO-247	500	20.0	214.0	0.250	10.00	5.88	5.25	4.30	3.88
511-STW20NM50FD	STW20NM50FD	TO-247	500	20.0	214.0	0.250	10.00	6.56	5.90	4.85	4.46
511-STP28NM50N	STP28NM50N	TO-220AB	500	21.0	90.0	0.158	10.50	5.60	5.00	4.10	3.70
511-STW28NM50N	STW28NM50N	TO-247	500	21.0	150.0	0.158	10.50	6.72	6.00	4.92	4.44
511-STW26NM50	STW26NM50	TO-247	500	30.0	313.0	0.120	13.00	10.50	9.45	7.77	7.14
511-STW45NM50	STW45NM50	TO-247	500	45.0	417.0	0.100	22.50	10.15	9.13	7.50	6.90
511-STW45NM50FD	STW45NM50FD	TO-247	500	45.0	417.0	0.100	22.50	12.70	11.55	8.84	8.32
511-STE53NC50	STE53NC50	ISOTOP	500	53.0	460.0	0.080	27.00	35.00	32.37	25.25	24.67
511-STY60NM50	STY60NM50	MAX247	500	60.0	560.0	0.050	30.00	21.94	19.95	15.27	14.38
511-STE70NM50	STE70NM50	ISOTOP	500	70.0	600.0	0.050	30.00	44.40	41.40	34.63	32.40
511-STE48NM50	STE48NM50	ISOTOP	550	48.0	450.0	0.100	13.50	31.50	29.13	22.72	22.19
511-STF7NM60N	STF7NM60N	TO-220FP	600	5.0	20.0	0.900	2.50	2.52	2.35	1.89	1.68
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	3.78	3.40	2.77	2.52
511-STP13NM60N	STP13NM60N	TO-220AB	600	11.0	90.0	0.360	5.50	3.88	3.46	2.84	2.56
511-STF18NM60N	STF18NM60N	TO-220AB	600	13.0	30.0	0.285	6.50	5.23	4.56	3.40	2.91
511-STP20NM60FP	STP20NM60FP	TO-220FP	600	20.0	45.0	0.290	10.00	5.88	5.17	4.15	3.57
511-STP26NM60N	STP26NM60N	TO-220AB	600	20.0	140.0	0.165	10.00	6.64	5.93	4.86	4.39
511-STW26NM60N	STW26NM60N	TO-247	600	20.0	140.0	0.165	10.00	5.52	4.88	4.37	3.75
511-STP20NM60	STP20NM60	TO-220AB	600	20.0	192.0	0.290	10.00	5.88	4.92	3.95	3.42
511-STP20NM60FD	STP20NM60FD	TO-220AB	600	20.0	192.0	0.290	10.00	6.24	5.05	4.06	3.50
511-STW20NM60	STW20NM60	TO-247	600	20.0	192.0	0.290	10.00	5.88	5.25	4.30	3.88
511-STW20NM60FD	STW20NM60FD	TO-247	600	20.0	214.0	0.290	10.00	6.47	5.77	4.73	4.27
511-STP34NM60N	STP34NM60N	TO-220AB	600	29.0	210.0	0.105	14.50	7.63	6.86	5.65	5.18
511-STW55NM60ND	STW55NM60ND	TO-247	600	51.0	350.0	0.060	25.50	18.13	16.48	14.01	12.77
511-STP8N65M5	STP8N65M5	TO-220AB	650	7.0	70.0	0.600	3.50	2.33	2.10	1.68	1.50
511-STF12N65M5	STF12N65M5	TO-220FP	650	8.5	25.0	0.430	4.30	3.09	2.79	2.24	1.99
511-STP11NM60ND	STP11NM60ND	TO-220AB	650	10.0	90.0	0.450	5.00	2.69	2.64	2.31	1.99
511-STP11NM60	STP11NM60	TO-220AB	650	11.0	160.0	0.450	5.50	3.52	2.95	2.37	2.08
511-STW16N65M5	STW16N65M5	TO-247	650	12.0	90.0	0.299	6.00	8.17	7.31	5.80	5.05
511-STP21NM60ND	STP21NM60ND	TO-220AB	650	12.0	140.0	0.220	8.50	4.60	4.53	3.94	3.41
511-STP24NM60N	STP24NM60N	TO-220AB	650	17.0	125.0	0.190	8.00	6.02	5.59	5.59	4.09
511-STW21N65M5	STW21N65M5	TO-247	650	17.0	125.0	0.190	8.50	6.76	6.03	4.95	4.46
511-STP23NM60ND	STP23NM60ND	TO-220AB	650	19.5	150.0	0.180	10.00	5.27	5.18	4.53	3.91
511-STW25NM60ND	STW25NM60ND	TO-247	650	21.0	160.0	0.160	10.50	5.68	5.37	5.19	5.13
511-STW30N65M5	STW30N65M5	TO-247	650	22.0	140.0	0.139	11.00	10.58	9.45	7.74	6.99
511-STW35N65M5	STW35N65M5	TO-247	650	27.0	160.0	0.098	13.50	12.18	11.26	8.52	8.52
511-STW42N65M5	STW42N65M5	TO-247	650	33.0	190.0	0.079	16.50	11.44	10.35	8.83	7.85
511-STW43NM60N	STW43NM60N	TO-247	650	35.0	255.0	0.088	17.50	10.98	10.83	9.43	7.54
511-STW43NM60ND	STW43NM60ND	TO-247	650	35.0	255.0	0.088	17.50	11.22	10.50	8.92	7.71
511-STW45NM60	STW45NM60	TO-247	650	45.0	417.0	0.110	22.50	11.55	10.50	8.15	7.74
511-STW77N65M5	STW77N65M5	TO-247	650	69.0	400.0	0.038	34.50	21.88	18.96	16.54	15.79
511-STY112N65M5	STY112N65M5	MAX247	650	96.0	625.0	0.022	48.00	42.85	36.92	32.56	29.95
511-STF11NM80	STF11NM80	TO-220FP	800	11.0	35.0	0.400	5.50	5.88	4.92	3.95	3.42
511-STW11NM80	STW11NM80	TO-247	800	11.0	150.0	0.400	5.50	6.30	5.67	4.66	4.10
511-STP11NM80	STP11NM80	TO-220AB	800	11.0	160.0	0.450	5.50	5.88	4.92	3.95	3.42
511-STW18NM80	STW18NM80	TO-247	800	17.0	190.0	0.295	8.50	6.35	5.71	4.70	4.31
511-STW3N150	STW3N150	TO-247	1500	2.5	140.0	9.000	1.30	7.85	6.82	5.06	4.71
511-STW4N150	STW4N150	TO-247	1500	4.0	160.0	7.000	2.00	6.96	6.04	5.11	4.31
511-STW9N150	STW9N150	TO-247	1500	8.0	320.0	2.500	4.00	11.11	10.50	8.92	7.70

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