

STMICROELECTRONICS Power MOSFET Transistors

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SINGLE N-CHANNEL SUPERMESH™ MOSFET FAMILY (CONT.)

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-STW13N95K3	STW13N95K3	TO-247	950	10.0	190.0	0.850	5.00	6.30	5.63	4.64	4.27
511-STF20N95K5	STF20N95K5	TO-220FP	950	17.5	40.0	0.330	11.00	6.70	6.04	4.95	4.56
511-STP20N95K5	STP20N95K5	TO-220	950	17.5	250.0	0.330	9.00	7.62	7.12	6.61	6.35
511-STW20N95K5	STW20N95K5	TO-220	950	17.5	250.0	0.330	9.00	8.28	7.73	7.18	6.90
511-STP5NK100Z	STP5NK100Z	TO-220AB	1000	3.5	125.0	3.700	1.75	3.50	3.10	2.52	2.28
511-STP8NK100Z	STP8NK100Z	TO-220AB	1000	6.5	160.0	1.850	3.15	3.86	3.43	2.79	2.51
511-STW11NK100Z	STW11NK100Z	TO-247	1000	8.3	230.0	1.380	4.15	6.17	5.31	4.40	3.87
511-STW13NK100Z	STW13NK100Z	TO-247	1000	13.0	350.0	0.700	6.50	7.50	7.24	6.12	5.68
511-STP6N120K3	STP6N120K3	TO-220	1200	6.0	150.0	2.400	2.50	5.80	5.09	4.18	3.73
511-STW6N120K3	STW6N120K3	TO-247	1200	6.0	150.0	2.400	2.50	6.27	5.60	4.59	4.14

SINGLE N-CHANNEL MDMESH™ V MOSFET FAMILY

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	VDS (V)	RDS (on) (@=Vgs=10V) (Max.) (Ω)	Total Gate Charge (Qg) (Typ.)	Drain Current (ID) (Max.) (A)	Total Power Dissipation (PD) (Max.) (W)	Price Each			
								1	10	100	250
Surface Mount											
511-STB80N20M5	STB80N20M5	D2PAK	200	0.023	104	61	190	8.60	7.37	6.00	5.37
511-STL52N25M5	STL52N25M5	PowerFLAT 5x6	250	0.065	47	28	110	3.79	3.39	2.80	2.52
511-STD18N55M5	STD18N55M5	DPAK	550	0.24	31	13	90	2.94	2.66	2.14	1.90
511-STD7NM60N	STD7NM60N	DPAK	600	0.9	14	5	45	1.80	1.62	1.31	1.16
511-STD3NM60N	STD3NM60N	DPAK	600	1.8	9.5	3.3	50	1.44	1.30	1.20	1.01
511-STL18N55M5	STL18N55M5	PowerFLAT-8	600	0.270	31	13	3	5.80	5.17	4.24	3.83
511-STF57N65M5	STF57N65M5	TO-220FP	650	0.063	98	26.5	40	16.02	14.42	13.35	11.22
511-STI57N65M5	STI57N65M5	I2PAK	650	0.063	98	26.5	250	16.08	14.48	13.40	11.26
511-STP57N65M5	STP57N65M5	TO-220	650	0.063	98	26.5	250	15.90	14.31	13.25	11.13
511-STB57N65M5	STB57N65M5	D2PAK	650	0.063	98	42	250	16.53	14.88	13.78	11.58
511-STB38N65M5	STB38N65M5	D2PAK	650	0.095	71	30	190	13.23	11.91	11.03	9.27
511-STB35N65M5	STB35N65M5	D2PAK	650	0.098	83	27	160	14.00	12.00	9.76	8.75
511-STB32N65M5	STB32N65M5	D2PAK	650	0.119	72	24	150	11.55	9.90	8.05	7.21
511-STD16N65M5	STD16N65M5	DPAK	650	0.279	31	12	90	4.57	4.11	3.35	3.04
511-STD8N65M5	STD8N65M5	DPAK	650	0.600	15	7	70	2.07	1.93	1.60	1.38
511-STB8N65M5	STB8N65M5	D2PAK	710	0.060	15	7	70	2.07	1.93	1.60	1.38
511-STL16N65M5	STL16N65M5	PowerFLAT 8x8	710	0.299	31	12	90	5.08	4.55	3.76	3.39
Through-Hole											
511-STP80N20M5	STP80N20M5	TO-220	200	0.023	104	61	190	6.54	5.81	4.62	4.24
511-STF23NM50N	STF23NM50N	TO-220FP	500	0.190	45	17	30	4.51	3.97	3.27	2.92
511-STF14NM50N	STF14NM50N	TO-220FP	500	0.320	27	12	25	3.08	2.71	2.23	2.00
511-STF10NM50N	STF10NM50N	TO-220FP	550	0.630	17	7	25	2.10	1.85	1.52	1.36
511-STF8NM50N	STF8NM50N	TO-220FP	550	0.790	14	5	20	1.78	1.57	1.29	1.15
511-STW48NM60N	STW48NM60N	TO-247	600	0.070	124	39	255	13.92	12.44	10.26	9.43
511-STF34NM60N	STF34NM60N	I2PAK	600	0.105	83.6	29	40	8.43	7.87	7.31	7.03
511-STB36NM60N	STB36NM60N	D2PAK	600	0.105	83.6	29	210	11.08	10.08	8.57	7.81
511-STW36NM60N	STW36NM60N	TO-247	600	0.105	83.6	29	210	10.20	9.52	8.84	8.50
511-STF26NM60N	STF26NM60N	I2PAK	600	0.165	60	20	30	5.49	5.13	4.76	4.58
511-STY139N65M5	STY139N65M5	Max-247	650	0.014	363	130	62.5	37.95	32.45	25.78	22.95
511-STW88N65M5	STW88N65M5	TO-247	650	0.029	204	50.5	450	23.20	19.72	18.27	16.82
511-STW77N65M5	STW77N65M5	TO-247	650	0.038	200	31	400	26.35	23.55	19.42	17.85
511-STFW69N65M5	STFW69N65M5	TO-3PF	650	0.045	153	58	70	14.53	13.22	11.24	10.25
511-STW69N65M5	STW69N65M5	TO-247	650	0.045	153	58	330	19.54	17.78	15.12	13.78
511-STF11N65M5	STF11N65M5	TO-220FP	650	0.48	17	9	85	2.52	2.09	1.80	1.51
511-STP11N65M5	STP11N65M5	TO-220	650	0.48	17	9	85	2.56	2.12	1.83	1.53
511-STW57N65M5	STW57N65M5	TO-247	650	0.063	98	42	250	18.15	16.34	15.13	12.71
511-STW42N65M5	STW42N65M5	TO-247	650	0.079	100	33	190	11.12	10.19	8.53	7.78
511-STP38N65M5	STP38N65M5	TO-220	650	0.095	71	19	190	12.54	11.29	10.45	8.78
511-STW38N65M5	STW38N65M5	TO-247	650	0.095	71	19	190	14.55	13.10	12.13	10.19
511-STF38N65M5	STF38N65M5	TO-220FP	650	0.095	71	19	35	12.63	11.37	10.53	8.85
511-STB34N65M5	STB34N65M5	D2PAK	650	0.11	70	29	190	11.40	10.26	9.50	7.98
511-STP34N65M5	STP34N65M5	TO-220	650	0.11	70	18.3	190	10.83	9.75	9.03	7.59
511-STW34N65M5	STW34N65M5	TO-247	650	0.11	70	18.3	190	12.54	11.29	10.45	8.78
511-STF34N65M5	STF34N65M5	TO-220FP	650	0.11	70	29	30	9.78	8.81	7.23	6.65
511-STW30N65M5	STW30N65M5	TO-247	650	0.139	64	21	140	9.00	8.04	6.63	6.09
511-STB31N65M5	STB31N65M5	D2PAK	650	0.148	55	13.9	150	9.96	8.97	8.30	6.98
511-STF31N65M5	STF31N65M5	TO-220FP	650	0.148	55	13.9	30	9.54	8.59	7.95	6.68
511-STP31N65M5	STP31N65M5	TO-220	650	0.148	55	22	150	9.45	8.51	7.88	6.62
511-STW31N65M5	STW31N65M5	TO-247	650	0.148	55	13.9	150	11.13	10.02	9.28	7.80
511-STF24NM60N	STF24NM60N	I2PAK	650	0.190	46	17	30	4.41	4.12	3.83	3.68
511-STB18N65M5	STB18N65M5	D2PAK	650	0.198	31	15	110	4.17	3.76	3.48	2.92
511-STD18N65M5	STD18N65M5	DPAK	650	0.198	31	15	110	3.75	3.38	3.13	2.63
511-STF18N65M5	STF18N65M5	TO-220FP	650	0.22	31	9.4	25	4.02	3.62	3.35	2.82
511-STP18N65M5	STP18N65M5	TO-220	650	0.22	31	9.4	110	3.90	3.51	3.25	2.73
511-STW16N65M5	STW16N65M5	TO-247	650	0.279	31	12	90	3.80	3.40	3.03	2.83
511-STB15N65M5	STB15N65M5	D2PAK	650	0.34	22	11	85	2.83	2.52	2.07	1.87
511-STF13NM60N	STF13NM60N	I2PAK	650	0.360	30	11	25	2.91	2.72	2.53	2.43
511-STF12N65M5	STF12N65M5	TO-220FP	650	0.430	22	9	25	2.69	2.37	1.95	1.75
511-STP8N65M5	STP8N65M5	TO-220	650	0.600	15	7	70	2.05	1.80	1.48	1.32
511-STF9NM60N	STF9NM60N	TO-220FP	650	0.745	17.4	6.5	25	2.08	1.83	1.50	1.35
511-STU7NM60N	STU7NM60N	IPAK	650	0.900	14	5	45	2.01	1.81	1.46	1.29
511-STY112N65M5	STY112N65M5	TO-247	710	0.022	350	96	625	33.45	30.83	26.24	24.15
511-STB11N65M5	STB11N65M5	D2PAK	710	0.48	17	9	85	2.80	2.32	2.00	1.68
511-STFW60N65M5	STFW60N65M5	TO-3PF	710	0.059	139	1	79	17.02	15.00	12.35	11.05
511-STF45N65M5	STF45N65M5	TO-220FP	710	0.078	91	35	40	8.70	7.83	7.25	6.67
511-STB45N65M5	STB45N65M5	D2PAK	710	0.078	91	35	208	8.85	7.97	7.38	6.79
511-STP45N65M5	STP45N65M5	TO-220	710	0.078	91	35	208	8.55	7.70	7.13	6.56
511-STW45N65M5	STW45N65M5	TO-247	710	0.078	91	35	208	9.75	8.78	8.13	7.48
511-STP15N65M5	STP15N65M5	TO-220	710	0.340	22	9	85	2.85	2.57	2.38	2.19
511-STD11N65M5	STD11N65M5	DPAK	710	0.480	17	9	85	2.16	1.95	1.80	1.66
511-STI11NM80	STI11NM80	I2PAK	800	0.4	43.6	8	150	8.58	7.73	7.15	6.01

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