

STMicroelectronics Power MOSFET Transistors



Products may be RoHS compliant.
Check mouser.com for RoHS status.

P-CHANNEL ENHANCEMENT MODE MOSFETS

For quantities 500 and up, 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											
511-STD10PF06-TR	STD10PF06T4	TO-252	60	10.0	40.0	0.200	5.0				
Thru-Hole											
511-STP80PF55	STP80PF55	TO-220AB	55	80.0	300.0	0.018	40.0				
511-STP12PF06	STP12PF06	TO-220AB	60	12.0	225.0	0.200	10.0				

N-CHANNEL SUPERMESH™ MOSFET FAMILY

The SuperMESH™ family has built-in, back-to-back Zener diodes between the gate and source terminals. These Zener diodes improve resistance to destructive electrostatic discharges as well as protecting the gate oxide against damage from spurious voltage spikes. Because they are built-in, they preclude the need for external protection diodes.



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Surface Mount											
511-STB21NK50Z	STB21NK50Z	TO-263	500	17.0	190.0	0.270	8.50				
511-STD1NK60Z	STD1NK60T4	TO-252	600	0.25	30.0	8.500	0.50				
511-STN1NK60Z	STN1NK60Z	SOT-223	600	0.3	3.3	15.000	0.40				
511-STN1HNK60	STN1HNK60	SOT-223	600	0.4	3.3	8.500	0.50				
511-STD2HNK60Z	STD2HNK60Z	TO-252	600	2.0	45.0	4.800	1.00				
511-STD3NK60Z	STD3NK60ZT4	TO-252	600	2.4	45.0	3.600	1.20				
511-STD1NK80ZT4	STD1NK80ZT4	TO-252	800	1.0	45.0	16.000	0.50				
511-STB12NK80Z	STB12NK80ZT4	TO-263	800	10.5	190.0	0.750	5.25				
511-STD2NK90Z	STD2NK90ZT4	TO-252	900	2.1	70.0	6.500	1.05				
511-STD2NK100Z	STD2NK100Z	TO-252	1000	1.85	70.0	8.500	0.90				
Thru-Hole											
511-STW52NK25Z	STW52NK25Z	TO-247	250	52.0	300.0	0.045	26.00				
511-STP4NK50Z	STP4NK50Z	TO-220AB	500	3.0	20.0	2.700	1.50				
511-STP5NK50ZFP	STP5NK50ZFP	TO-220FP	500	4.4	25.0	1.500	2.20				
511-STP5NK50Z	STP5NK50Z	TO-220AB	500	4.4	25.0	1.500	2.20				
511-STW20NK50Z	STW20NK50Z	TO-247	500	17.0	190.0	0.270	8.50				
511-STF2HNK60Z	STF2HNK60Z	TO-220FP	600	2.0	20.0	4.800	1.00				
511-STP6NK60ZFP	STP6NK60ZFP	TO-220AB	600	6.0	110.0	1.200	3.00				
511-STP16NK60Z	STP16NK60Z	TO-220AB	600	14.0	190.0	0.420	7.00				
511-STP4NK80Z	STP4NK80Z	TO-220AB	800	3.0	80.0	3.500	1.50				
511-STP2NK90Z	STP2NK90Z	TO-220AB	900	2.1	70.0	6.500	1.05				
511-STP6NK90Z	STP6NK90Z	TO-220AB	900	5.8	140.0	2.000	2.90				
511-STP9NK90Z	STP9NK90Z	TO-220AB	900	8.0	160.0	1.300	3.60				
511-STW9NK90Z	STW9NK90Z	TO-247	900	8.0	160.0	1.300	3.60				
511-STW12NK90Z	STW12NK90Z	TO-247	900	11.0	230.0	0.880	5.50				
511-STF5NK100Z	STF5NK100Z	TO-220FP	1000	3.5	30.0	3.700	1.75				
511-STP5NK100Z	STP5NK100Z	TO-220AB	1000	3.5	125.0	3.700	1.75				
511-STW11NK100Z	STW11NK100Z	TO-247	1000	8.3	230.0	1.380	4.15				
511-STW13NK100Z	STW13NK100Z	TO-247	1000	13.0	350.0	0.700	6.50				

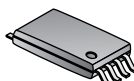
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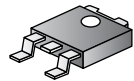
Surface Mount											
511-STS8DN3LLH5	STS8DN3LLH5	SO-8	30	10	2.7	0.022	5.00				
511-STL90N3LLH6	STL90N3LLH6	VDFPN	30	24	60.0	0.0073	12.00				
511-STD70NS04ZL	STD70NS04ZL	TO-252	33	70	110.0	12.500	30.00				
511-STD45NF75	STD45NF75T4	TO-252	75	40.0	100.0	0.024	20.0				
511-STD10NF10	STD10NF10T4	TO-252	100	10.0	50.0	0.130	5.0				
511-STD15NF10	STD15NF10t4	TO-252	100	23.0	70.0	0.065	10.0				
511-STD40NF10	STD40NF10	TO-252	100	35.0	150.0	0.025	0.028				
511-STB80NF10	STB80NF10T4	TO-263	100	80.0	300.0	0.015	40.0				
511-STD5N20	STD5N20T4	TO-252	200	5.0	45.0	0.800	2.5				
511-STB8NM60	STB8NM60T4	TO-263	650	5.0	96.0	1.000	2.5				
511-STD5N95K3	STD5N95K3	TO-252	950	4.0	90.0	3.500	2.00				
511-STB120NF10	STB120NF10T4	TO-263	1000	120.0	312.0	0.0105	60.00				
Thru-Hole											
511-STP100NF04	STP100NF04	TO-220AB	40	120.0	300.0	0.0046	50.0				
511-STP80NF55-06	STP80NF55-06	TO-220AB	55	80.0	300.0	0.0065	40.0				
511-STP140NF55	STP140NF55	TO-220AB	55	80.0	300.0	0.0080	40.0				
511-STP85NF55	STP85NF55	TO-220AB	55	80.0	300.0	0.008	40.0				
511-STP80NF55-08	STP80NF55-08	TO-220AB	55	80.0	300.0	0.008	40.0				
511-STP90NS55F4	STP90NS55F4	TO-220AB	55	90.0	150.0	0.008	45.00				
511-STP16NF06	STP16NF06L	TO-220AB	60	16.0	45.0	0.100	8.0				
511-STP45NF06	STP45NF06	TO-220AB	60	38.0	80.0	0.028	19.0				
511-STP55NF06	STP55NF06	TO-220AB	60	50.0	110.0	0.018	27.5				
511-STP60NF06	STP60NF06	TO-220AB	60	60.0	110.0	0.016	30.0				
511-STP24NF10	STP24NF10	TO-220AB	100	24.0	85.0	0.060	12.0				
511-STP35NF10	STP35NF10	TO-220AB	100	40.0	115.0	0.035	17.5				
511-STP60NF10	STP60NF10	TO-220AB	100	80.0	300.0	0.023	40.0				
511-STP80NF10	STP80NF10	TO-220AB	100	80.0	300.0	0.015	40.0				
511-IRF630	IRF630	TO-220AB	200	9.0	75.0	0.400	5.0				
511-STW34NB20	STW34NB20	TO-247	200	34.0	180.0	0.075	17.0				
511-STY130NF20D	STY130NF20D	MAX247	200	130.0	450.0	0.012	65.00				
511-STP22NS25Z	STP22NS25Z	TO-220AB	250	22.0	135.0	0.150	11.0				
511-STY60NK30Z	STY60NK30Z	MAX247	300	60.0	450.0	0.045	30.0				
511-STP12NM50	STP12NM50	TO-220AB	500	12.0	160.0	0.350	6.0				
511-STP12NM50FP	STP12NM50FP	TO-220FP	500	12.0	35.0	0.350	6.0				
511-STW14NK50Z	STW14NK50Z	TO-247	500	14.0	150.0	0.380	6.0				
511-STW20NM50	STW20NM50	TO-247	500	20.0	214.0	0.250	10.0				
511-STW20NM50FD	STW20NM50FD	TO-247	500	20.0	214.0	0.250	10.0				
511-STP20NM50	STP20NM50	TO-220AB	500	20.0	192.0	0.250	10.0				
511-STP20NM50FP	STP20NM50FP	TO-220FP	500	20.0	45.0	0.250	10.0				
511-STW26NM50	STW26NM50	TO-247	500	30.0	313.0	0.120	13.0				
511-STW29NK50Z	STW29NK50Z	TO-247	500	31.0	350.0	0.130	15.5				
511-STW45NM50	STW45NM50	TO-247	500	45.0	417.0	0.100	22.5				
511-STW45NM50FD	STW45NM50FD	TO-247	500	45.0	417.0	0.100	22.5				
511-STE53NC50	STE53NC50	ISOTOP	500	53.0	460.0	0.080	27.0				
511-STY60NM50	STY60NM50	MAX247	500	60.0	560.0	0.050	30.0				
511-STF18NM60N	STF18NM60N	TO-220AB	600	13.0	30.0	0.285	6.50				

MOSFETS

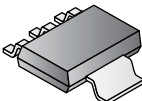
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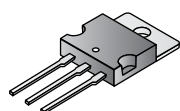
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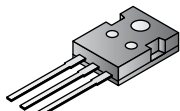
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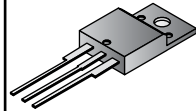
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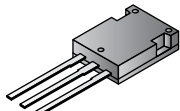
TO-220AB



TO-247



TO-220FP



MAX247