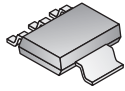


Products may be RoHS compliant. Check mouser.com for RoHS status.

MOSFETS

STMicroelectronics

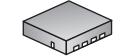


SOT-223

## 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
<b>Surface Mount</b>											
511-STD10PF06-TR	STD10PF06T4	TO-252	60	10.0	40.0	0.200	5.0	.70	.61	.565	.506
<b>Thru-Hole</b>											
511-STP80PF55	STP80PF55	TO-220AB	55	80.0	300.0	0.018	40.0	2.62	1.99	1.63	1.47
511-STP12PF06	STP12PF06	TO-220AB	60	12.0	225.0	0.200	10.0	.84	.70	.54	.43



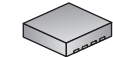
PowerFlat (3.3 x 3.3)

## N-CHANNEL ENHANCEMENT MODE LOGIC LEVEL MOSFETS

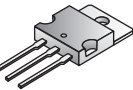
\* Dual Gate MOSFETs

For quantities 500 and up, call for quote.

<b>Surface Mount</b>											
511-STN5PF02V	STN5PF02V	SOT-223	20	5.0	2.5	0.0650	5.0	1.14	1.00	.87	.633
* 511-STD95NH02L	STD95NH02LT4	TO-252	24	80.0	100.00	0.0050	40.00	2.44	2.12	1.75	1.56
* 511-STL8NH3LL	STL8NH3LL	PowerFlat 3.3x3.3	30	8.0	50.0	0.0150	4.0	1.68	1.05	.945	.849
* 511-STS8DNF3LL	STS8DNF3LL	SO-8	30	8.0	2.0	0.0200	4.0	1.40	.88	.787	.709
* 511-STS8DNH3LL	STS8DNH3LL	SO-8	30	8.0	2.0	0.0220	4.0	1.28	.93	.832	.749
* 511-STS12NF30L	STS12NF30L	SO-8	30	12.0	2.5	0.0100	6.0	1.12	.80	.745	.658
511-STS12NH3LL	STS12NH3LL	SO-8	30	12.0	2.5	0.0105	6.0	1.60	1.01	.90	.809
511-STS25NH3LL	STS25NH3LL	SO-8	30	25.0	3.2	0.0035	12.5	1.93	1.59	1.31	1.14
511-STL50NF3LL	STL50NF3LL	PowerFlat 6x5	30	27.0	60.0	0.0130	6.5	1.92	1.20	1.08	.971
511-STN3NF06L	STN3NF06L	SOT-223	60	3.0	2.5	0.1000	1.5	.86	.665	.57	.532
511-STD12NF06L	STD12NF06LT4	TO-252	60	12.0	30.0	0.1000	6.0	.68	.62	.516	.376
511-STB16NF06L	STB16NF06LT4	TO-263	60	16.0	45.0	0.1000	8.0	1.10	.70	.625	.558
511-STD16NF06L	STD16NF06LT4	TO-252	60	24.0	40.0	0.0700	8.0	1.10	.70	.625	.558
511-STB55NF06L	STB55NF06LT4	TO-263	60	55.0	95.0	0.0140	27.5	2.44	1.64	1.45	1.31
511-STD5N20L	STD5N20LT4	TO-252	200	5.0	33.0	0.7000	2.5	1.12	.70	.65	.60
<b>Thru-Hole</b>											
511-STP40NF03L	STP40NF03L	TO-220AB	30	40.0	70.0	0.0350	20.0	1.46	1.26	.975	.858
511-STP80NF03L-04	STP80NF03L-04	TO-220AB	30	80.0	300.0	0.0040	40.0	3.19	2.58	2.07	1.79
511-STP16NF06L	STP16NF06L	TO-220AB	60	16.0	45.0	0.1000	8.0	.94	.61	.537	.528
511-STP20NF06L	STP20NF06L	TO-220AB	60	20.0	60.0	0.0700	10.0	1.12	.75	.672	.604
511-STP36NF06L	STP36NF06L	TO-220AB	60	30.0	70.0	0.0480	15.0	1.30	1.01	.90	814
511-STP55NF06L	STP55NF06L	TO-220AB	60	55.0	95.0	0.0200	27.5	1.39	1.08	.963	.832



PowerFlat (6 x 5)



TO-220AB

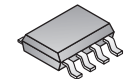
## P-CHANNEL ENHANCEMENT MODE LOGIC LEVEL MOSFETS

Surface Mount

\* Dual Gate MOSFETs

For quantities 500 and up, call for quote.

* 511-STS3DPF60L	STS3DPF60L	SO-8	60	3.0	2.00	0.1200	1.5	1.59	1.02	.914	.822
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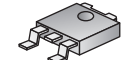
SO-8

## N & P-CHANNEL ENHANCEMENT MODE LOGIC LEVEL MOSFETS

Surface Mount

For quantities 500 and up, call for quote.

511-STS8C5H30L	STS8C5H30L	SO-8	30/30	8.0/5.0	1.60	0.022/0.025	4.0/4.0	1.68	1.05	.945	.849
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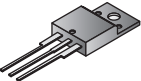


TO-252/TO-263

## N-CHANNEL IGBT (INSULATED GATE BIPOLAR TRANSISTOR) MOSFETS

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Collector-Emitter Voltage (Min) (V)	Collector Current (Cont.) (Max) (A)	Total Dissipation @ 25°C (Max)(W)	Delay Time		Price Each			
						On (nS) (Typ)	Off (nS) (Typ)	1	10	100	250
<b>Surface Mount</b>											
511-STGB7NC60HD	STGB7NC60HDT4	TO-263	600	14.0	80.0	18.5	72.0	2.11	1.92	1.46	1.25
511-STGD5NB120SZ	STGD5NB120SZT4	TO-252	1200	5.0	55.0	690.0	12100.0	1.11	1.09	1.01	.92
<b>Thru-Hole</b>											
511-STGF7NC60HD	STGF7NC60HD	TO-220FP	600	7.0	25.0	18.5	116.0	1.92	1.68	1.40	1.08
511-STGP10NB60S	STGP10NB60S	TO-220AB	600	10.0	80.0	700.0	---	3.27	3.04	2.37	2.04
511-STGP20NC60V	STGP20NC60V	TO-220AB	600	30.0	200.0	31.0	100.0	3.34	2.85	2.17	1.87
511-STGW20NC60V	STGW20NC60V	TO-247	600	30.0	200.0	31.0	100.0	4.50	3.78	2.93	2.53
511-STGW20NC60VD	STGW20NC60VD	TO-247	600	30.0	200.0	31.0	100.0	6.38	5.16	4.15	3.59
511-STGW40NC60V	STGW40NC60V	TO-247	600	50.0	260.0	43.0	140.0	7.77	6.50	4.96	4.20



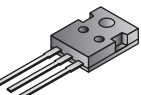
TO-220FP

## N-CHANNEL INTERNALLY CLAMPED IGBT (INSULATED GATE BIPOLAR TRANSISTOR) MOSFETS

Surface Mount

For quantities 500 and up, call for quote.

511-STGB20NB41LZ	STGB20NB41LZT4	TO-263	Clamped	20.0	200.0	1000.0	12.1	4.41	3.65	2.80	2.43
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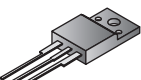


TO-247

## AUTOPROTECTED POWER MOSFETS

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Drain Source Clamp Voltage Min. (V)	Drain Current Limit Min. (A)	Static Drain-Source On State Resistance Max. (Ω)	Power Dissipation (W)	Turn-On/ Turn-Off Delay Time Typ. (nS)	Price Each			
								1	10	100	250
<b>Surface Mount</b>											
511-VNS3NV04D-E	VNS3NV04D-E	SO-8	40	3.5	0.0024	4.0	300/1350	1.18	1.16	1.07	.983
511-VND5N07-E	VND5N07-E	TO-252	70	5.0	0.28	60.0	100/300	1.05	1.03	.954	.875
511-VNB20N07-E	VNB20N07-E	TO-263	70	20.0	0.07	83.0	180/800	2.13	2.10	1.83	1.58
<b>Thru-Hole</b>											
511-VNP49N04-E	VNP49N04-E	TO-220AB	42	49.0	0.05	125.0	600/2400	3.30	3.25	2.84	2.45
511-VNP10N06-E	VNP10N06-E	TO-220AB	60	10.0	0.30	42.0	1600/400	.98	.96	.895	.82
511-VNP35N07-E	VNP35N07-E	TO-220AB	70	35.0	0.035	125.0	200/1000	3.30	3.25	2.84	2.45



ISOWATT220AB