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## Vishay Siliconix

Leading the way in minaturization and efficiency, Vishay's Siliconix Power MOSFETs continue to become smaller and also increase in performance to meet the demands of power management in applications such as computers, laptops, notebooks, PDAs, cellular phones, pagers and automotive. Process as well as packaging technology advances such as TrenchFET® technology, LITTLE FOOT®, ChipFET™ and PowerPAK™ packaging allow new MOSFETs with industry's lowest on-resistance and gate charge as well as increasing power density.

This Selector Guide is organized by functionality, packaging (largest to smallest), breakdown voltage, and on-resistance ( $r_{DS(on)}$  @ 4.5V). Package and function selector guides are available on our website at <http://www.vishay.com> as well as a Parametric Search. A DC/DC Selector Guide is also available.

- ◆ <http://www.vishay.com/products/mosfets>
  - On-line selector guide for up to date information
- ◆ Parametric Search
  - On-line datasheet search engine by user customized parameters

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LITTLE FOOT Plus™ Schottky											
Name	Channel	Configuration	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
<b>PowerPAK™ SO-8</b>											
Si7842DP	N	Dual Plus Integrated Schottky	30	0.022	0.030				10	13	3.5
<b>SO-8</b>											
Si4837DY	P	Single Plus Integrated Schottky	-30	0.020	0.30				8.3	22	2.5
Si4831DY	P	Single Plus Integrated Schottky	-30	0.045	0.09				5	10	2
Si4833DY	P	Single Plus Integrated Schottky	-30	0.085	0.18				3.5	8.7	2
Si4736DY	N	Single Plus Integrated Schottky	30	0.010	0.011				13	37	3.1
Si4852DY	N	Single Plus Integrated Schottky	30	0.012	0.0175				11	24	2.5
Si4816DY	N	Dual Plus Integrated Schottky Gt-1	30	0.022	0.03				6.3	8	1.4
Si4816DY	N	Dual Plus Integrated Schottky Gt-2	30	0.013	0.018				10	15	2.4
Si4810DY	N	Single Plus Integrated Schottky	30	0.013	0.02				10	20	2.5
Si4818DY	N	Dual Plus Integrated Schottky Gt-1	30	0.022	0.03				6.3	8	1.4
Si4818DY	N	Dual Plus Integrated Schottky Gt-2	30	0.015	0.02				9.5	15	2.4
Si4814DY	N	Dual Plus Integrated Schottky Ch-1	30	0.021	0.0325				7.0	6.5	1.9
Si4814DY	N	Dual Plus Integrated Schottky Ch-2	30	0.020	0.0265				7.4	9.7	2.0
Si4812DY	N	Single Plus Integrated Schottky	30	0.018	0.028				9	16	2.5
Si4832DY	N	Single Plus Integrated Schottky	30	0.018	0.028				9	16	2.5
Si4854DY	N	Dual Plus Integrated Schottky	30	0.026	0.030		0.041		6.9	9	2.0
Si4808DY	N	Dual Plus Integrated Schottky	30	0.022	0.03				7.5	13	2
Si4830DY	N	Dual Plus Integrated Schottky	30	0.022	0.03				7.5	13	2
Si4834DY	N	Dual Plus Integrated Schottky	30	0.022	0.03				7.5	13	2
Si4300DY	N	Single Plus Integrated Schottky	30	0.0185	0.033				9	8.7	2.5

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LITTLE FOOT <i>Plus</i> ™ Schottky (cont'd.)											
Name	Channel	Configuration	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
<b>TSSOP-8</b>											
Si6923DQ	P	Single Plus Integrated Schottky	-20		0.05		0.085		3.5	14.5	1.2
Si6821DQ	P	Single Plus Integrated Schottky	-20		0.19	0.28			1.7	3.5	1.2
Si6820DQ	N	Single Plus Integrated Schottky	20		0.16	0.26			1.9	2.1	1.2
<b>PowerPAK™ 1212-8</b>											
Si7703EDN	P	Single Plus Integrated Schottky	-20		0.048		0.068	0.090	8.3	12	2.8
Si7705EDN	P	Single Plus Integrated Schottky	-20		0.048		0.068	0.090	8.3	11	2.8
<b>TSOP-6</b>											
Si3853DV	P	Single Plus Integrated Schottky	-20		0.2		0.34		1.8	2.7	1.15
Si3851DV	P	Single Plus Integrated Schottky	-30	0.2	0.36				1.8	2.4	1.15
Si3812DV	N	Single Plus Integrated Schottky	20		0.125		0.2		2.4	2.1	1.15
<b>ChipFET™ 1206-8</b>											
Si5853DC	P	Single Plus Integrated Schottky	-20		0.11		0.16	0.24	3.6	4.4	2.1
<b>LITTLE FOOT <i>Plus</i>™ Level-Shift</b>											
Name	Channel	Configuration	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
<b>SO-8</b>											
Si4788CY	Dual P	ASM Level Shift	-6		0.02	0.025			5		1.5
Si4701DY	N	Level Shift	30	0.02	0.021				7		0.83
Si4702DY	N	Level Shift	30	0.02	0.035				5.5		1.25
Si4703DY	N	Level Shift	30	0.046	0.066				4		1.2
<b>TSOP-6</b>											
Si3865DV	P	Level Shift	-8		0.08		0.11	0.175	2.7		0.83
Si3863DV	P	Level Shift	-12		0.105	0.125	0.165		2.5		0.83
Si3861DV	P	Level Shift	-20	0.105	0.175				2.3		0.83
<b>SC-70 (6 Leads)</b>											
Si1865DL	P	Level Shift	-8		0.215		0.3	0.44	1.2		0.4
<b>SC-89 (6 Leads)</b>											
Si1040X	P	Level Shift	-8		0.625		0.890	1.25	0.43		0.174
<b>LITTLE FOOT <i>Plus</i>™ Drivers</b>											
Name	Configuration	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.	
<b>SO-16</b>											
Si4726CY	Dual N Ch-1 + driver	20	0.013					10		4	
Si4726CY	Dual N Ch-2 + driver	20	0.006					10		4	
Si4728CY	Dual N Ch-1 + driver	30	0.018					10		4	
Si4728CY	Dual N Ch-2 + driver	30	0.022	0.03				10		4	



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Temperature Sense Devices											
Name	Configuration	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.	
<b>D<sup>2</sup>PAK-5</b>											
SUM60P05-11LT	Temperature Sense P	-55	0.011	0.0175				60	107	200	
SUB50P05-13LT	Temperature Sense P	-55	0.01	0.019				50	107	200	
SUM60N04-05LT	Temperature Sense N	40	0.0045	0.0065				60	130	200	
SUM60N04-06T	Temperature Sense N	40	0.0055					60	115	200	
SUB50N04-07T	Temperature Sense N	40	0.0075					50	115	200	
SUM60N04-12LT	Temperature Sense N	40	0.009	0.012				60	51	110	
SUB60N04-15LT	Temperature Sense N	40	0.012	0.015				60	51	110	
SUM60N08-07T	Temperature Sense N	75	0.007					60	110	300	
<b>Current Sense Devices</b>											
Name	Configuration	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.	
<b>D<sup>2</sup>PAK (TO-263)</b>											
SUM50N03-13LC	Current Sense N	30	0.013	0.017				50	35	83	
SUB50N03-20C	Current Sense N	30	0.015	0.02				50	35	83	
SUM60N08-07C	Current Sense N	75	0.007					60	110	300	
<b>SO-8</b>											
Si4730EY	Current Sense N	30	0.015	0.02				11.7	34	3.6	
<b>TSSOP-8</b>											
Si6862DQ	Current Sense N	20		0.026		0.036		6.6	25	1.8	
<b>Battery Switch Devices</b>											
Name	Channel	Configuration	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
<b>SO-16</b>											
Si4710CY	P	ASM Battery Disconnect Switch	-30	0.018					6		2.3
Si4720CY	P	ASM Battery Disconnect Switch	-30	0.02					6		2.5
Si4719CY	P	ASM Battery Disconnect Switch	-30	0.04					6		2.4
<b>SO-8</b>											
Si4927DY	P	Common Drain	-30	0.028	0.045				7.4	38	2.5
<b>TSSOP-8</b>											
Si6875DQ	P	Common Drain	-20		0.027		0.036	0.052	6.4	26	1.78
Si6965DQ	P	Common Drain	-20		0.035		0.06		5	17.5	1.5
Si6880EDQ	N	Common Drain	20		0.018		0.022	0.026	7.5	27	1.78
Si6968EDQ - REVA	N	Common Drain	20		0.022		0.03		6.5	16	1.5
Si6968ADQ	N	Common Drain	20		0.022		0.03		6.2	13.5	1.5
Si6968DQ	N	Common Drain	20		0.022		0.03		6.5	16	1.5
Si6874EDQ	N	Common Drain	20		0.026		0.031	0.039	6.5	12.5	1.67
Si6866DQ	N	Common Drain	20		0.03		0.04		5.8	11	1.67
Si6966DQ	N	Common Drain	20		0.03		0.04		4.5	13	1
Si6876EDQ	N	Common Drain	30**	0.0125***	0.0150***		0.0250***		6.2	13	1.78
<b>PowerPAK™ 1212-8</b>											
Si7900EDN	N	Common Drain	20		0.026		0.031	0.039	9	12.5	3.2
Si7902EDN	N	Common Drain	30		0.028	0.030*	0.043		8.3	10	3.2
<b>MICRO FOOT™</b>											
Si8900EDB	N	Common Drain	20**		0.012***	0.013***	0.017***	0.020***	7		1.8

\*r<sub>DS(on)</sub> @ V<sub>GS</sub> = 3.7 V

\*\*V<sub>SS</sub>

\*\*\*r<sub>ss(on)</sub> ÷ 2

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N-Channel Dual Asymmetrics										
Name	Configuration	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
<b>SO-16</b>										
Si4726CY	Dual N Ch-1 + Driver	20	0.013					10		4
Si4726CY	Dual N Ch-2 + Driver	20	0.006					10		4
Si4728CY	Dual N Ch-1 + Driver	30	0.018					10		4
Si4728CY	Dual N Ch-2 + Driver	30	0.022	0.03				10		4
<b>SO-8</b>										
Si9806DY	Single N Gt-1	25		0.027	0.038			7	14	2.5
Si9806DY	Single N Gt-2	25		0.4	0.57			1.8	1.2	1
Si4926DY	Single N Gt-1	30	0.02	0.03				6.3	8	1.4
Si4926DY	Single N Gt-2	30	0.01	0.017				10.5	18	2.4
Si4806DY	Single N Gt-1	30	0.022	0.03				7.7	34	2.3
Si4806DY	Single N Gt-2	30	0.25	0.4				2	2.2	2.3
Si4924DY	Dual N Ch-1	30	0.022	0.03				6.3	8	1.4
Si4924DY	Dual N Ch-2	30	0.01	0.014				11.5	25.5	2.4
Si4828DY	Dual N Ch-1	30	0.02	0.03				7.5	8	2
Si4828DY	Dual N Ch-2	30	0.013	0.017				9.8	23	2
Si4826DY	Dual N Ch-1	30	0.022	0.03				6.3	8	1.4
Si4826DY	Dual N Ch-2	30	0.015	0.02				9.5	15	2.4
Si4824DY	Dual N Ch-1	30	0.04	0.065				4.7	6.5	1.4
Si4824DY	Dual N Ch-2	30	0.017	0.027				9	17.5	2.25
<b>Application Specific MOSFETs</b>										
Name	Configuration	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
<b>SO-8</b>										
Si4779CY	ASM Current Limit N			0.045*	0.055**					
Si4700DY	ASM Power Selector Switch	12		0.030		0.040				
Si4700DY	ASM Power Selector Switch	-12		0.070		0.110				
Si4788CY	Dual P ASM Level Shift	-6		0.02	0.025			5		1.5
Si4710CY	P ASM Battery Disconnect Switch	-30	0.018					6		2.3
Si4720CY	P ASM Battery Disconnect Switch	-30	0.02					6		2.5
Si4719CY	P ASM Battery Disconnect Switch	-30	0.04					6		2.4

\*r<sub>DS(on)</sub> @ V<sub>IN</sub> = 4.75 V

\*\*r<sub>DS(on)</sub> @ V<sub>IN</sub> = 3.0 V



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N-Channel										
Name	Configuration	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @ 10.0V	r <sub>DS(on)</sub> @ 4.5V	r <sub>DS(on)</sub> @ 3.3V	r <sub>DS(on)</sub> @ 2.5V	r <sub>DS(on)</sub> @ 1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
<b>D<sup>2</sup>PAK/TO-263 – (SUB &amp; SUM) and TO-220 – (SUP &amp; VN)</b>										
SUB85N02-03/SUP85N02-03	Single N	20		0.003			0.0034	85	140	250
SUB85N02-06/SUP85N02-06	Single N	20		0.006			0.009	85	65	120
SUB75N03-04/SUP75N03-04	Single N	30	0.004					75	200	187
SUB85N03-04P/SUP85N03-04P	Single N	30		0.007				85	71	166
SUB75N03-07/SUP75N03-07	Single N	30	0.007	0.01				75	70	120
SUB85N03-07P/SUP85N03-07P	Single N	30	0.007	0.01				85	60	107
SUM85N03-08P	Single N	30	0.0075	0.0105				85	13	100
SUB70N03-09BP/SUP70N03-09BP	Single N	30	0.009	0.013				70	15.5	93
SUB70N03-09P/SUP70N03-09P	Single N	30	0.009	0.015				70	45	93
SUB45N03-13L/SUP45N03-13L	Single N	30	0.013	0.02				45	45	88
SUM110N04-02L	Single N	40	0.0023	0.0038				110	165	437.5
SUM110N04-03	Single N	40	0.0028					110	165	437.5
SUB85N04-03/SUP85N04-03	Single N	40	0.003	0.005				85	165	250
SUB85N04-04/SUP85N04-04	Single N	40	0.004					85	160	250
SUB75N04-05L/SUP75N04-05L	Single N	40	0.005	0.006				75	130	187
SUB70N04-10/SUP70N04-10	Single N	40	0.01	0.014				70	50	107
SUB75N05-06/SUP75N05-06	Single N	50	0.006					75	85	187
SUB45N05-20L/SUP45N05-20L	Single N	50	0.018	0.02				45	43	93
SUB75N05-07	Single N	55	0.007	0.009				75	135	158
SUM110N06-04L	Single N	60	0.0035	0.005				110	150	437.5
SUB85N06-05/SUP85N06-05	Single N	60	0.005	0.007				85	155	250
SUB75N06-07L/SUP75N06-07L	Single N	60	0.007	0.008				75	75	187
SUB75N06-08/SUP75N06-08	Single N	60	0.008					75	85	187
SUB75N06-12L/SUP75N06-12L	Single N	60	0.012	0.014				75	59	142
SUB70N06-14/SUP70N06-14	Single N	60	0.014					70	45	142
SUB60N06-18/SUP60N06-18	Single N	60	0.018					60	39	120
SUB40N06-25L/SUP40N06-25L	Single N	60	0.022	0.025				40	40	90
VN66AFD	Single N	60	3.0	5.0				1.46		15
SUM110N08-05	Single N	75	0.0048					110	145	437.5
SUM110N08-07	Single N	75	0.007					110	110	200
SUB85N08-08/SUP85N08-08	Single N	75	0.008					85	100	250
SUB75N08-09L/SUP75N08-09L	Single N	75	0.009	0.011				75	121	250
SUM110N08-10	Single N	75	0.010					110	90	200
SUB75N08-10/SUP75N08-10	Single N	75	0.01					75	85	187
VN88AFD	Single N	80	4.0	5.6				1.29		15
SUM110N10-09	Single N	100	0.0095					110	110	437.5
SUB85N10-10/SUP85N10-10	Single N	100	0.01	0.012				85	105	250
SUM85N15-19	Single N	150	0.019					85	76	375
SUP18N15-95	Single N	150	0.095	0.100*				18	20	88
SUM65N20-30	Single N	200	0.030					65	90	375
VN2406D	Single N	240	6.0			10.0		1.12		20
<b>TO-251</b>										
SUU50N03-07	Single N	30	0.007	0.01				25	60	88
SUY50N03-07AP (Short Lead)	Single N	30	0.007	0.01				25	60	88
SUY50N03-10CP	Single N	30	0.010	0.012				15	13	71
SUU50N03-10P	Single N	30	0.01	0.014				20	55	71
SUU06N10-225L	Single N	100	0.2	0.225				6.5	2.7	20
SUU15N15-95	Single N	150	0.095	0.100*				15	20	62
<b>DKPAK (TO-252)</b>										
SUD50N02-06	Single N	20		0.006			0.009	30	65	100
SUD40N02-08	Single N	20		0.0085			0.014	40	26	71

\*r<sub>DS(on)</sub> @ V<sub>GS</sub> = 6.0 V

# Power MOSFET Selector Guide

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N-Channel (cont'd.)										
Name	Configuration	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @ 10.0V	r <sub>DS(on)</sub> @ 4.5V	r <sub>DS(on)</sub> @ 3.3V	r <sub>DS(on)</sub> @ 2.5V	r <sub>DS(on)</sub> @ 1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
<b>DPAK (TO-252) (cont'd.)</b>										
SUD50N03-06P	Single N	30	0.0065	0.0095				25	48	88
SUD50N03-07	Single N	30	0.007	0.01				20	70	83
SUD50N03-07AP	Single N	30	0.007	0.01				25	60	88
SUD50N03-10CP	Single N	30	0.01	0.012				15	13	71
SUD50N03-10AP	Single N	30	0.01	0.014				20	55	71
SUD50N03-10BP	Single N	30	0.01	0.014				20	15.5	71
SUD50N03-10P	Single N	30	0.01	0.015				50	45	65
SUD50N03-11	Single N	30	0.011	0.017				50	12	62.5
SUD50N03-10	Single N	30	0.01	0.019				15	55	83
SUD40N03-18P	Single N	30	0.018	0.027				40	19	62.5
SUD30N03-30	Single N	30	0.03	0.045				30	18	50
SUD40N04-10A	Single N	40	0.01	0.014				40	35	71
SUD30N04-10	Single N	40	0.01	0.014				30	50	97
SUD25N04-25	Single N	40	0.025	0.04				25	13	33
SUD45N05-20L	Single N	50	0.018	0.02				30	43	75
SUD35N05-26L	Single N	55	0.020	0.026				35	10.5	50
SUD40N06-25L	Single N	60	0.022	0.025				20	40	75
SUD25N06-45L	Single N	60	0.035	0.045				25	26	50
SUD15N06-90L	Single N	60	0.065	0.09				15	12	37
SUD40N08-16	Single N	80	0.016					40	42	100
SUD40N10-25	Single N	100	0.025	0.028				40	40	33
SUD06N10-225L	Single N	100	0.2	0.225				6.5	2.7	20
SUD25N15-52	Single N	150	0.052	0.060*				25	33	100
SUD15N15-95	Single N	150	0.095	0.100*				15	20	62
SUD19N20-90	Single N	200	0.090	0.105*				19	34	100
<b>TO-52</b>										
VN10LE	Single N	60	5.0	7.5				0.38		1.5
<b>TO-92</b>										
TN0201L	Single N	20	1.2	2.0	4.0			0.64		0.8
VN0300L	Single N	30	1.2	3.3				0.64		0.8
TN0401L	Single N	40	1.2	2.0	4.0			0.64		0.8
TN0601L	Single N	60	1.8	3.0	5.0			0.47		0.8
VN0606L	Single N	60	3.0					0.33		0.8
2N7000	Single N	60	5.0	5.3				0.20		0.4
VN0610L	Single N	60	5.0	7.5				0.27		0.8
BS170	Single N	60	5.0					0.50		0.8
VN0610LL	Single N	60	5.0	7.5				0.28		0.8
VN2222LL	Single N	60	7.5					0.28		0.8
VN2222L	Single N	60	7.5					0.27		0.8
VN0808L	Single N	80	4.0					0.30		0.8
VN1206L	Single N	120	6.0					0.23		0.8
VN2010L	Single N	200	10.0					0.19		0.8
BS107	Single N	200			28.0			0.12		0.5
VN2406L	Single N	240	6.0					0.18		0.8
VN2410L	Single N	240	10.0					0.18		0.8
TN2410L	Single N	240	10.0		15.0			0.18		0.8
TN2460L	Single N	240	60.0					0.75		0.8
TN3012L	Single N	240	12.0	20.0				0.18		0.8
VN3515L	Single N	350		15.0				0.15		0.8
VN4012L	Single N	400		12.0				0.16		0.8
VN50300L	Single N	500	300.0					0.03		0.8

\*r<sub>DS(on)</sub> @ V<sub>GS</sub> = 6.0 V





# Power MOSFET Selector Guide

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N-Channel (cont'd.)										
Name	Configuration	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @ 10.0V	r <sub>DS(on)</sub> @ 4.5V	r <sub>DS(on)</sub> @ 3.3V	r <sub>DS(on)</sub> @ 2.5V	r <sub>DS(on)</sub> @ 1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
<b>TO-92S</b>										
VN0300LS	Single N	30	1.2	3.3				0.67		0.9
VN10KLS	Single N	60	5.0	7.5				0.31		0.9
VN10LLS	Single N	60	5.0	7.5				0.32		0.9
VN0808LS	Single N	80	4.0					0.33		0.9
VN2410LS	Single N	240	10.0					0.19		0.9
<b>PowerPAK™ SO-8</b>										
Si7858DP	Single N	12		0.003		0.004		29	40	5.4
Si7862DP	Single N	16		0.0033		0.0055		29	48	5.4
Si7864DP	Single N	20		0.0035		0.0047		29	47	5.4
Si7458DP	Single N	20		0.0045		0.0075		22	38	5.2
Si7448DP	Single N	20		0.0065		0.009		22	38	5.2
Si7892DP	Single N	30	0.0045	0.006				25	25	5.4
Si7856DP	Single N	30	0.0045	0.0055				25	34	5.4
Si7886DP	Single N	30	0.0045	0.0055				25	42	5.4
Si7894DP	Single N	30	0.0045	0.0055				25	48	5.4
Si7440DP	Single N	30	0.0065	0.008				21	29	5.4
Si7446DP	Single N	30	0.0075	0.010				19	36	5.2
Si7840DP	Single N	30	0.0095	0.014				18	15.5	5.0
Si7844DP	Dual N	30	0.022	0.030				10	13	3.5
Si7848DP	Single N	40	0.009	0.012				17	18.5	5
Si7850DP	Dual N	60	0.022	0.031				10.3	18	4.5
Si7852DP	Single N	80	0.0165	0.022*				12.5	34	5.2
Si7456DP	Single N	100	0.025	0.028*				9.3	36	5.2
Si7454DP	Single N	100	0.034	0.040*				7.8	24	4.8
Si7846DP	Single N	150	0.050					6.7	30	5.2
Si7450DP	Single N	200	0.080	0.090*				5.3	34	5.2
<b>SO-8</b>										
Si4838DY	Single N	12		0.003		0.004		25	40	3.5
Si4836DY	Single N	12		0.003		0.004	0.005	25	36	3.5
Si4866DY	Single N	12		0.0055		0.008		17	21	3.0
Si4862DY	Single N	16		0.0033		0.0055		25	47	3.5
Si4864DY	Single N	20		0.0035		0.0047		25	47	3.5
Si4876DY	Single N	20		0.005		0.0075		21	55	3
Si4408DY	Single N	20	0.0045	0.0068				21	21	3.5
Si4466DY	Single N	20		0.009		0.013		13.2	50	2.5
Si9426DY	Single N	20		0.013		0.016		10	46.5	2.5
Si4426DY	Single N	20		0.025		0.035		8.5	25	2.5
Si4966DY	Dual N	20		0.025		0.035		7.1	25	2
Si9428DY	Single N	20		0.03		0.04		6	21	2.5
Si9926ADY	Dual N	20		0.030		0.040		6	13	2.0
Si9925DY	Dual N	20		0.05		0.08		5	9	2
Si9802DY	Dual N	20		0.055	0.075			4.5	5.5	2
Si9956DY	Dual N	20	0.1	0.2				3.5	7	2
Si9804DY	Single N	25		0.023	0.03			7.8	13.5	2.5
Si4442DY	Single N	30	0.0045	0.005		0.0075		22	36	3.5
Si4406DY	Single N	30	0.0045	0.0055				20	34	3.5
Si4366DY	Single N	30	0.0048	0.0055				20	48	3.5
Si4364DY	Single N	30	0.0045	0.0055				20	62	3.5
Si4842DY	Single N	30	0.0045	0.006				23	25	3.5
Si4362DY	Single N	30	0.0045	0.0055				20	42	3.5
Si4858DY	Single N	30	0.00525	0.007				20	30.5	3.5
Si4430DY	Single N	30	0.004	0.008				23	36	3.5

\*r<sub>DS(on)</sub> @ V<sub>GS</sub> = 6.0 V

# Power MOSFET Selector Guide

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N-Channel (cont'd.)										
Name	Configuration	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
<b>SO-8 (cont'd.)</b>										
Si4888DY	Single N	30	0.007	0.01				16	16.3	3.5
Si4872DY	Single N	30	0.0075	0.01				15	27	3.1
Si4874DY	Single N	30	0.007	0.01				15	35	3.1
Si4860DY	Single N	30	0.008	0.011				16	13	3.5
Si4420DY	Single N	30	0.009	0.013				12.5	35	2.5
Si4886DY	Single N	30	0.01	0.013				13	14.5	2.95
Si4880DY	Single N	30	0.008	0.014				13	19.5	2.5
Si4822DY	Single N	30	0.01	0.015				12	31	2.5
Si4884DY	Single N	30	0.01	0.016				12	15.3	2.95
Si4922DY	Dual N	30	0.02	0.018				8.8	22	8.8
Si4894DY	Single N	30	0.012	0.018				12.5	20	3
Si4410DY – REVA	Single N	30	0.013	0.02				10	22.5	5
Si4892DY	Single N	30	0.012	0.020				12.4	8.7	3.1
Si4820DY	Single N	30	0.013	0.02				10	20	2.5
Si4882DY	Single N	30	0.01	0.02				11	13.5	2.5
Si4890DY	Single N	30	0.012	0.02				11	14.2	2.5
Si4416DY	Single N	30	0.018	0.028				9	13	2.5
Si4802DY	Single N	30	0.02	0.03				8.4	13	2.5
Si4804DY	Dual N	30	0.022	0.03				7.5	13	2
Si4800DY	Single N	30	0.018	0.033				9	8.7	2.5
Si4412ADY	Single N	30	0.024	0.035				8	16	2.5
Si4920DY	Dual N	30	0.025	0.035				6.9	15	2
Si4412DY	Single N	30	0.028	0.042				7	19.5	2.5
Si9410DY	Single N	30	0.03	0.05				7	24	2.5
Si4936ADY	Dual N	30	0.036	0.053				5.9	13	2
Si4936DY	Dual N	30	0.037	0.055				5.8	18	2
Si9436DY	Single N	30	0.04	0.06				6.8	14	3
Si9936DY	Dual N	30	0.05	0.08				5	13.5	2
Si4840DY	Single N	40	0.009	0.012				14	18.5	3.1
Si4940DY	Single N	40	0.036	0.059				5.7	13.5	2.1
Si4470EY	Single N	60	0.011	0.013*				12.7	46	3.75
Si4450DY	Single N	60	0.024	0.03*				7.5	31	2.5
Si4850EY	Single N	60	0.022	0.031				8.5	18	3.3
Si4946EY	Dual N	60	0.055	0.075				4.5	19	2
Si9945AEY	Dual N	60	0.08	0.1				3.7	11	2.4
Si4896DY	Single N	80	0.02	0.022*				9.5	34	3.1
Si4480DY	Single N	80	0.035	0.04*				6	30	2.5
Si4480EY	Single N	80	0.035	0.04*				6.2	30	3
Si4980DY	Dual N	80	0.075	0.095*				3.7	15	2
Si4486EY	Single N	100	0.025	0.028*				7.9	36	3.8
Si4496DY	Single N	100	0.025	0.031*				7.7	29	3.1
Si4484EY	Single N	100	0.034	0.040*				6.9	24	3.8
Si4482DY	Single N	100	0.06	0.08*				4.6	30	2.5
Si4982DY	Dual N	100	0.15	0.18*				2.6	15	2
Si4488DY	Single N	150	0.05					5	30	3.1
Si4848DY	Single N	150	0.085	0.095*				3.7	17	3
Si4490DY	Single N	200	0.08	0.090*				4	34	3.1
Si9422DY	Single N	200	0.42					1.7	13	2.5

\*r<sub>DS(on)</sub> @ V<sub>GS</sub> = 6.0 V



# Power MOSFET Selector Guide

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N-Channel (cont'd.)										
Name	Configuration	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
<b>TSSOP-8</b>										
Si6466ADQ	Single N	20		0.014		0.02		8.1	18	1.5
Si6466DQ	Single N	20		0.014		0.021		7.8	34	1.5
Si6426DQ	Single N	20		0.035		0.04		5.4	18	1.5
Si6926DQ	Dual N	20		0.035	0.04	0.045		4	12	1
Si6925DQ	Dual N	20		0.05	0.06	0.08		3.4	7.5	1
Si6802DQ	Single N	20		0.075	0.11			3.3	4.5	1.5
Si6946DQ	Dual N	20		0.08		0.11		2.8	16	1
Si6956DQ	Dual N	20	0.09	0.175				2.5	7.0	1
Si6404DQ	Single N	30	0.009	0.010		0.014		11	32	1.75
Si6410DQ	Single N	30	0.014	0.021				7.8	22	1.5
Si6434DQ	Single N	30	0.028	0.042				5.6	18	1.5
Si6928DQ	Dual N	30	0.035	0.05				4	9	1
Si6954ADQ	Dual N	30	0.053	0.075				3.4	8	1
Si6954DQ	Dual N	30	0.065	0.095				3.9	9.8	1
<b>PowerPAK™ 1212-8</b>										
Si7904DN	Dual N	20		0.030		0.036	0.045	7.7	10.2	2.8
Si7404DN	Single N	30	0.013	0.015		0.022		13.3	47	3.8
Si7414DN	Single N	60	0.025	0.036				8.7	16	3.8
Si7810DN	Single N	100	0.062	0.084*				5.4	13.5	3.8
<b>TSOP-6</b>										
Si3460DV	Single N	20		0.027		0.032	0.038	6.8	13.5	2
Si3446DV	Single N	20		0.045		0.065		5.3	10	2
Si3442DV	Single N	20		0.07		0.095		4	7	2
Si3900DV	Dual N	20		0.125		0.2		2.4	2.1	1.15
Si3434DV	Single N	30		0.034		0.050		6.1	8	2.0
Si3424DV	Single N	30	0.028	0.038				6.7	11.5	2
Si3454DV	Single N	30	0.065					4.2	8	2
Si3456DV	Single N	30	0.045	0.065				5.1	5.7	2
Si3454ADV	Single N	30	0.06	0.085				4.5	9	2
Si3948DV	Dual N	30	0.11	0.175				2.5	2.1	1.15
Si3458DV	Single N	60	0.1	0.13				3.2	8	2
Si3430DV	Single N	100	0.17					2.4	5.5	2
Si3420DV	Single N	200	3.7					0.5	2.2	2.1
Si3422DV	Single N	200	5					0.42	2.1	2.1
<b>ChipFET™ 1206-8</b>										
Si5406DC	Single N	12		0.020		0.025		9.5	13.7	2.5
Si5404DC	Single N	20		0.03		0.045		7.2	12	2.5
Si5904DC	Dual N	20		0.075		0.134		4.2	4	2.1
Si5402DC	Single N	30	0.035	0.055				6.7	13	2.5
Si5902DC	Dual N	30	0.085	0.143				3.9	5	2.1
<b>SOT-23</b>										
Si2314EDS	Single N	20		0.033		0.04	0.051	4.9	11.0	1.25
Si2312DS	Single N	20		0.033		0.04	0.051	4.9	11.2	1.25
Si2302DS	Single N	20		0.085		0.115		2.8	5.4	1.25
Si2302ADS	Single N	20		0.085		0.115		2.4	5.4	0.9
TN0200T	Single N	20		0.4		0.5		0.73	1.9	0.35
TN0200TS	Single N	20		0.4		0.5		1.2	1.9	1.0
TN0201T	Single N	20	0.75	1.0				0.39	1.4	0.35
Si2316DS	Single N	30	0.050	0.085				3.4	4.3	0.96
Si2306DS	Single N	30	0.057	0.094				3.5	4.2	1.25
Si2304DS	Single N	30	0.117	0.19				2.5	2.4	1.25

\*r<sub>DS(on)</sub> @ V<sub>GS</sub> = 6.0 V

# Power MOSFET Selector Guide

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N-Channel (cont'd.)										
Name	Configuration	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
<b>SOT-23 (cont'd.)</b>										
Si2308DS	Single N	60	0.16	0.22				2	4.8	1.25
2N7002K	Single N	60	2.0	4.0				0.3	0.4	0.35
2N7002E	Single N	60	3.0	4.0				0.25	0.4	0.35
VN0605T	Single N	60	5.0	7.5				0.18		0.36
Si2328DS	Single N	100	0.25					1.5	3.3	1.25
Si2320DS	Single N	200	7					0.28	1.1	1.25
TN2460T	Single N	240	60.0					0.05		0.36
VN50300T	Single N	500	300.0					0.02		0.35
<b>SC-70 (3 Leads)</b>										
Si1300DL	Single N	20		2		2.5		0.25	0.35	0.15
TN0205A	Single N	20		2.0		2.5		0.25	0.35	0.15
Si1304DL	Single N	25		0.35		0.45		0.75	1.85	0.33
Si1302DL	Single N	30	0.48	0.7				0.64	0.86	0.31
<b>SC-70 (6 Leads)</b>										
Si1406DH	Single N	20		0.065		0.075	0.096	3.9	4.9	1.56
Si1410EDH	Single N	20		0.070		0.080	0.100	3.7	5.6	1.56
Si1400DL	Single N	20		0.15		0.235		1.7	2.1	0.63
Si1912EDH	Dual N	20		0.280		0.360	0.450	1.28	0.65	0.74
Si1902DL	Dual N	20		0.385		0.63		0.7	0.8	0.3
Si1906DL	Single N	20		2		2.5		0.25	0.35	0.2
TN0205AD	Dual N	20		2.0		2.5		0.25	0.35	0.20
Si1904EDH	Dual N	25		0.73		1.04		0.73	0.66	0.74
Si1426DH	Single N	30	0.075	0.115				3.6	1.9	1.6
Si1900DL	Dual N	30	0.48	0.7				0.64	0.86	0.30
<b>SC-75A</b>										
Si1012R	Single N	20		0.7		0.85	1.25	0.5	0.75	0.15
Si1032R	Single N	20		5.0		7.0	9.0	0.14	0.75	0.20
Si1022R	Single N	60	1.25	3.0				0.33		0.25
<b>SC-89 (3 Leads)</b>										
Si1012X	Single N	20		0.7		0.85	1.25	0.5	0.75	0.25
Si1032X	Single N	20		5.0		7.0	9.0	0.14	0.75	0.20
<b>SC-89 (6 Leads)</b>										
Si1024X	Dual N	20		0.7		0.85	1.25	0.5	0.75	0.25
Si1034X	Dual N	20		5.0		7.0	9.0	0.14	0.75	0.20
Si1026X	Dual N	60	1.25	3.0				0.33		0.25



# Power MOSFET Selector Guide

Vishay Siliconix

P-Channel										
Name	Configuration	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
<b>D<sup>2</sup>PAK (TO-263) and TO-220</b>										
SUB15P01-52/SUP15P01-52	Single P	-8		0.052		0.07	0.105	15	6.5	25
SUB75P03-07/SUP75P03-07	Single P	-30	0.007	0.01				75	160	187
SUB75P03-08/SUP75P03-08	Single P	-30	0.008					75	115	187
SUB65P04-15/SUP65P04-15	Single P	-40	0.015	0.023				65	85	120
SUB75P05-08/SUP75P05-08	Single P	-55	0.008					75	140	250
SUB65P06-20/SUP65P06-20	Single P	-60	0.02					65	85	187
<b>DPAK (TO-252)</b>										
SUD15P01-52	Single P	-8		0.052		0.070	0.105	15	6.5	21.4
SUD45P03-10	Single P	-30	0.01	0.018				15	90	70
SUD45P03-15	Single P	-30	0.015	0.024				13	50	70
SUD45P03-15A	Single P	-30	0.015	0.024				15	60	70
SUD50P04-15	Single P	-40	0.015	0.023				50	85	100
SUD10P06-280L	Single P	-60	0.17	0.28				10	11.5	37
<b>TO-92</b>										
VP0300L	Single P	-30	2.5					0.32		0.8
BS250	Single P	-45	10.0	25.0				0.18		0.8
TP0610L	Single P	-60	10.0					0.18		0.8
VP0808L	Single P	-80	5.0					0.28		0.8
VP1008L	Single P	-100	5.0					0.28		0.8
BSS92	Single P	-200	20.0					0.15		1.0
VP2020L	Single P	-200	20.0					0.12		0.8
VP2410L	Single P	-240		10.0				0.18		0.8
<b>TO-92S</b>										
VP0300LS	Single P	-30	2.5					0.50		0.90
<b>PowerPAK™ SO-8</b>										
Si7445DP	Single P	-20		0.0077		0.0094	0.0125	19	92	5.4
Si7943DP	Dual P	-30	0.025	0.030		0.045		9.4	47	3.5
Si7941DP	Dual P	-30	0.027	0.039				9.0	42	3.5
<b>SO-8</b>										
Si4465DY	Single P	-8		0.009		0.011	0.016	14	80	2.5
Si4965DY	Dual P	-8		0.021		0.027	0.04	8	36	2
Si4467DY	Single P	-12		0.011		0.014	0.02	12	85	2.5
Si4967DY	Dual P	-12		0.023		0.03	0.045	7.5	35	2
Si9934DY	Dual P	-12		0.05		0.074		5	21	2
Si4473DY	Single P	-14		0.011		0.016		13	46	3.0
Si4463DY	Single P	-20		0.014		0.02		10	48	2.5
Si4403DY	Single P	-20		0.017		0.023	0.032	9	30.5	2.5
Si9424DY	Single P	-20		0.025		0.033		7.7	46	2.5
Si4943DY	Dual P	-20	0.019	0.030				8.4	28	2.0
Si4963DY	Dual P	-20		0.033		0.05		6.2	22	2
Si9434DY	Single P	-20		0.04		0.06		6.4	30	2.5
Si9433DY	Single P	-20		0.045		0.07		5.4	20	2.5
Si9933ADY	Dual P	-20		0.075	0.105			3.4	10	2
Si9430DY	Single P	-20	0.05	0.09				5.8	27	2.5
Si4433DY	Single P	-20		0.110		0.160	0.240	3.9	4.4	2.5
Si9400DY	Single P	-20	0.25	0.4				2.5	5.4	2.5
Si9953DY	Dual P	-20	0.25	0.4				2.3	6.7	2
Si9803DY	Single P	-25		0.04	0.06			5.9	15.8	2.5
Si4427DY	Single P	-30	0.0105	0.0125		0.0195		13.3	47	3
Si4429DY	Single P	-30	0.0105	0.0125		0.0195		13.0	51	3.0
Si4825DY	Single P	-30	0.014	0.022				11.5	55	3



P-Channel (cont'd.)										
Name	Configuration	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
<b>SO-8 (cont'd.)</b>										
Si4425DY	Single P	-30	0.014	0.023				11	74	2.5
Si4835DY	Single P	-30	0.019	0.033				8	21	2.5
Si4435DY – REVA	Single P	-30	0.02	0.035				8	47	2.5
Si4925DY	Dual P	-30	0.032	0.045				6.1	32	2
Si4431ADY	Single P	-30	0.03	0.055				7	15	2.5
Si4431DY	Single P	-30	0.04	0.07				5.8	22	2.5
Si4953ADY	Dual P	-30	0.053	0.09				4.9	15	2
Si4953DY	Dual P	-30	0.053	0.095				4.9	16	2
Si9435DY	Single P	-30	0.055	0.105				5.1	27	2.5
Si4947ADY	Dual P	-30	0.085	0.19				3.5	8.7	2
Si4807DY	Single P Gt-1	-30	0.035	0.054				6	34	2.3
Si4807DY	Single P Gt-2	-30	1.3	2.2				0.9	2	2.3
Si4401DY	Single P	-40	0.015	0.022				10.5	37.5	3
Si9407AEY	Single P	-60	0.12	0.15				3.5	18	3
Si4948EY	Dual P	-60	0.12	0.15				3.1	16	2.4
Si9948AEY	Dual P	-60	0.17	0.26				2.6	10	2.4
<b>TSSOP-8</b>										
Si6465DQ	Single P	-8		0.012		0.017	0.025	8.8	50	1.5
Si6469DQ	Single P	-8		0.028	.031	0.04	0.065	6	20	1.5
Si6967DQ	Dual P	-8		0.03		0.045	0.07	5	20	1.1
Si6475DQ	Single P	-12		0.011			0.017	10	49.5	1.75
Si6467DQ	Single P	-12		0.014		0.019	0.027	8	49	1.5
Si6975DQ	Dual P	-12		0.027		0.035	0.046	5.1	23	1.14
Si6969DQ	Dual P	-12		0.034		0.05	0.075	4.6	21	1.1
Si6433DQ	Single P	-12		0.06		0.09		4	20	1.5
Si6943DQ	Dual P	-12		0.1		0.18		2.5	9	1
Si6473DQ	Single P	-20		0.012		0.016	0.021	9.5	47.5	1.75
Si6463ADQ	Single P	-20		0.017		0.023	0.032	7.4	30.5	1.5
Si6463DQ	Single P	-20		0.02		0.03		6.5	33	1.5
Si6973DQ	Dual P	-20		0.03			0.055	4.8	21	1.14
Si6963DQ	Dual P	-20		0.05		0.085		3.2	14.5	1
Si6447DQ	Dual P	-20	0.09	0.160				3.2	15	1.5
Si6953DQ	Dual P	-20	0.17	0.32				1.9	7	1
Si6415DQ	Single P	-30	0.019	0.03				6.5	47	1.5
Si6435ADQ	Single P	-30	0.03	0.055				5.5	15	1.5
Si6435DQ	Single P	-30	0.04	0.07				4.5	25	1.5
Si6955ADQ	Dual P	-30	0.08	0.135				2.9	5.8	1.14
Si6955DQ	Dual P	-30	0.085	0.19				2.5	8.7	1
Si6459DQ	Single P	-60	0.12	0.15				2.6	16	1.5
<b>PowerPAK™ 1212-8</b>										
Si7405DN	Single P	-12		0.016		0.022	0.028	13	35	3.8
Si7401DN	Single P	-20		0.021		0.028	0.034	11	29	3.8
Si7901EDN	Dual P	-20		0.048		0.068	0.090	6.3	12	2.8
Si7403DN	Single P	-20		0.1		0.135		4.5	8.6	3.5
Si7415DN	Single P	-60	0.065	0.110				5.7	15	3.8
<b>TSOP-6</b>										
Si3831DV	Single P	-7		0.17		0.2		2.4	2	1.5
Si3445DV	Single P	-8		0.042		0.1	0.08	5.6	15	2
Si3905DV	Dual P	-8		0.125		0.175	0.265	2.5	4.2	1.15
Si3435DV	Single P	-12		0.036		0.05	0.073	6.3	15	2
Si3447DV	Single P	-12		0.05		0.1	0.095	5.2	16	2
Si3915DV	Dual P	-12		0.12		0.2	0.24	2.5	5	1.15



# Power MOSFET Selector Guide

Vishay Siliconix

P-Channel (cont'd.)										
Name	Configuration	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
<b>TSOP-6 (cont'd.)</b>										
Si3433DV	Single P	-20		0.042		0.1	0.08	5.6	11.5	2
Si3443DV	Single P	-20		0.065	.09	0.1		4.4	8.5	2
Si3441DV	Single P	-20		0.1		0.135		3.3	8.6	2
Si3911DV	Dual P	-20		0.145		0.2	0.3	2.2	5	1.15
Si3909DV	Dual P	-20		0.2	0.235	0.34		1.8	2.7	1.15
Si3457DV	Single P	-30	0.065	0.1				4.3	11	2
Si3455ADV	Single P	-30	0.1	0.17				3.5	8.5	2
Si3455DV	Single P	-30	0.1	0.19				3.5	5.1	2
Si3459DV	Single P	-60	0.22	0.31				2.2	7	2
<b>MICRO FOOT™</b>										
Si8401DB	Single P	-20		0.070		0.100		4.9	11	2.77
<b>ChipFET™ 1206-8</b>										
Si5445DC	Single P	-8		0.035		0.047	0.062	7.1	17	2.5
Si5915DC	Dual P	-8		0.070		0.108	0.162	4.6	5.9	2.1
Si5905DC	Dual P	-8		0.09		0.13	0.18	4.1	5.5	2.1
Si5475DC	Single P	-12		0.031		0.041	0.054	7.6	19	2.5
Si5465EDC	Single P	-12		0.037		0.061	0.065	7.0	13.5	2.5
Si5975DC	Dual P	-12		0.86		0.127	0.164	4.1	5.7	2.1
Si5433DC	Single P	-20		0.04		0.052	0.072	6.7	15	2.5
Si5461EDC	Single P	-20		0.045		0.06	0.082	6.2	12.5	2.5
Si5441DC	Single P	-20		0.055	0.06	0.083		5.3	11	2.5
Si5463EDC	Single P	-20		0.062		0.085	0.120	5.1	9.7	2.3
Si5443DC	Single P	-20		0.065	0.074	0.11		4.9	9	2.5
Si5447DC	Single P	-20		0.076		0.11	0.16	4.8	6.5	2.5
Si5933DC	Dual P	-20		0.11		0.16	0.24	3.6	4.4	2.1
Si5903DC	Dual P	-20		0.155	0.18	0.26		2.9	3	2.1
Si5435DC	Single P	-30	0.05	0.08				5.6	16	2.5
Si5449DC	Single P	-30		0.085		0.135		4.3	7.2	2.5
<b>SOT-23</b>										
Si2311DS	Single P	-8		0.045		0.072	0.120	3.5	8.5	0.96
Si2305DS	Single P	-8		0.052		0.071	0.108	3.5	10	1.25
Si2335DS	Single P	-12		0.051		0.07	0.106	4	9	1.25
Si2315DS	Single P	-12		0.055		0.075	0.118	3.5	9	1.25
Si2301DS	Single P	-20		0.13		0.19		2.3	5.8	1.25
Si2301ADS	Single P	-20		0.13		0.19		2.0	4.2	0.9
TP0101T	Single P	-20		0.65		0.85		0.6	2.0	0.35
TP0101TS	Single P	-20		0.65		0.85		1.0	2.0	1.0
TP0202T	Single P	-20	1.4	3.5				0.41	2.7	0.35
Si2307DS	Single P	-30	0.08	0.14				3	10	1.25
Si2303DS	Single P	-30	0.24	0.46				1.7	5.8	1.25
Si2303ADS	Single P	-30	0.24	0.46				1.4	4.5	0.9
TP0202K	Single P	-30	1.4	3.5				0.385	0.175	0.35
Si2309DS	Single P	-60	0.34	0.55				1.25	5.4	1.25
TP0610K	Single P	-60	5.0	10.0				0.40	1.5	0.25
<b>SC-70 (3 Leads)</b>										
Si1305DL	Single P	-8		0.28		0.38	0.53	0.92	2.6	0.34
Si1307DL	Single P	-12		0.29		0.435	0.58	0.91	3.2	0.34
Si1303DL	Single P	-20		0.43	0.48	0.7		0.72	1.7	0.34
Si1301DL	Single P	-20		3.8		5.0		0.18	0.35	0.15
TP0205A	Single P	-20		3.8		5.0		0.18	0.3	0.15



P-Channel (cont'd.)										
Name	Configuration	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
<b>SC-70 (6 Leads)</b>										
Si1405DL	Single P	-8		0.125		0.16	0.21	1.8	5.5	0.63
Si1905DL	Dual P	-8		0.6		0.85	1.2	0.6	1.5	0.3
Si1417EDH	Single P	-12		0.085		0.115	0.160	3.3	5.8	1.56
Si1407DL	Single P	-12		0.13		0.17	0.225	1.8	5.5	0.63
Si1917EDH	Dual P	-12		0.370		0.575	0.800	1.15	1.3	0.73
Si1907DL	Dual P	-12		0.65		0.925	1.31	0.56	1.5	0.3
Si1413EDH	Single P	-20		0.115		0.155	0.220	2.9	5.6	1.56
Si1403DL	Single P	-20		0.18	0.2	0.265		1.5	3.7	0.63
Si1913EDH	Dual P	-20		0.490		0.750	1.10	1.0	1.2	0.74
Si1903DL	Dual P	-20		0.995	1.19	1.8		0.44	1.2	0.3
Si1901DL	Dual P	-20		3.8		5		0.18	0.35	0.2
TP0205AD	Dual P	-20		3.8		5.0		0.18	0.3	0.20
<b>SC-75A</b>										
Si1013R	Single P	-20		1.2		1.6	2.7	0.37	1.5	0.25
Si1031R	Single P	-20		8.0		12.0	15.0	0.14	1.5	0.25
Si1021R	Single P	-60	5.0	10.0				0.17	1.3	0.25
<b>SC-89 (3 Leads)</b>										
Si1013X	Single P	-20		1.2		1.6	2.7	0.40	1.5	0.30
Si1031X	Single P	-20		8.0		12.0	15.0	0.16	1.5	0.30
<b>SC-89 (6 Leads)</b>										
Si1039X	Single P	-12		0.165		0.220	0.280	0.95	3.8	0.21
Si1037X	Single P	-20		0.195		0.260	0.350	0.84	3.5	0.21
Si1023X	Dual P	-20		1.2		1.6	2.7	0.40	1.5	0.30
Si1033X	Dual P	-20		8.0		12.0	15.0	0.16	1.5	0.30
Si1025X	Dual P	-60	5.0	10.0				0.16	1.3	0.30





# Power MOSFET Selector Guide

Vishay Siliconix

N- & P-Channel										
Name	Configuration	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
<b>SO-8</b>										
Si4503DY	N	30	0.018	0.027				8.8	4.5	2.27
Si4503DY	P	-8		0.042		0.06		4.5	15	1.38
Si4501DY	N	30	0.018	0.027				9	4.5	2.5
Si4501DY	P	-8		0.042		0.06		6.2	15	2.5
Si4562DY	N	20		0.025		0.035		7.1	25	2
Si4562DY	P	-20		0.033		0.05		6.2	22	2
Si4500DY	N	20		0.03		0.04		7	13	2.5
Si4500DY	P	-20		0.065		0.1		4.5	8.5	2.5
Si9801DY	N	20		0.055	0.075			4.5	5.2	2
Si9801DY	P	-20		0.08	0.12			4	7.9	2
Si9942DY	N	20	0.125	0.25				3	7	2
Si9942DY	P	-20	0.2	0.35				2.5	6.7	2
Si4542DY	N	30	0.025	0.035				6.9	30	2
Si4542DY	P	-30	0.032	0.045				6.1	32	2
Si4544DY	N	30	0.035	0.05				6.5	18	2.4
Si4544DY	P	-30	0.045	0.09				5.7	19	2.4
Si4539ADY	N	30	0.036	0.053				5.9	13	2
Si4539ADY	P	-30	0.053	0.09				4.9	15	2
Si4539DY	N	30	0.037	0.055				5.8	18	2
Si4539DY	P	-30	0.053	0.095				4.9	16	2
Si4558DY	N	30	0.04	0.06				6	16	2.4
Si4558DY	P	-30	0.04	0.07				6	22	2.4
Si4532ADY	N	30	0.053	0.075				4.9	8	2
Si4532ADY	P	-30	0.08	0.135				-3.9	10	2
Si9939DY	N	30	0.05	0.08				3.5	14	2
Si9939DY	P	-30	0.1	0.16				3.5	14.5	2
Si4532DY	N	30	0.065	0.095				3.9	9.8	2
Si4532DY	P	-30	0.085	0.19				3.5	8.7	2
Si4559EY	N	60	0.055	0.075				4.5	19	2.4
Si4559EY	P	-60	0.12	0.15				3.1	16	2.4
<b>TSSOP-8</b>										
Si6552DQ	N	20		0.08		0.11		2.8	16	1
Si6552DQ	P	-12		0.1		0.18		2.5	9	1
Si6562DQ	N	20		0.03		0.04		4.5	13	1
Si6562DQ	P	-20		0.05		0.085		3.5	14.5	1
Si6803DQ	N	20		0.095	0.145			2.5	3.8	1
Si6803DQ	P	-20		0.11	0.165			2.3	5.2	1
Si6801DQ	N	20		0.16	0.26			1.9	1.7	1
Si6801DQ	P	-20		0.19	0.28			1.7	3.5	1
Si6542DQ	N	20	0.09	0.175				2.5	7.0	1
Si6542DQ	P	-20	0.17	0.32				1.9	7.0	1
Si6544DQ	N	30	0.035	0.05				4	17.5	1
Si6544DQ	P	-30	0.045	0.09				3.5	17	1
Si6543DQ	N	30	0.065	0.095				3.9	9.8	1
Si6543DQ	P	-30	0.085	0.19				2.5	8.7	1
<b>TSOP-6</b>										
Si3588DV	N	20		0.08		0.1	0.128	3	5	1.15
Si3588DV	P	-20		0.145		0.2	0.3	2.2	5	1.15
Si3585DV	N	20		0.125		0.200		2.4	2.1	1.15
Si3585DV	P	-20		0.200		0.340		1.8	2.7	1.15
Si3850DV	N	20		0.5	0.75			1.2	0.8	1.25
Si3850DV	P	-20		1	1.3			0.85	1.1	1.25
Si3552DV	N	30	0.105	0.175				2.5	2.1	1.15
Si3552DV	P	-30	0.2	0.36				1.8	2.4	1.15



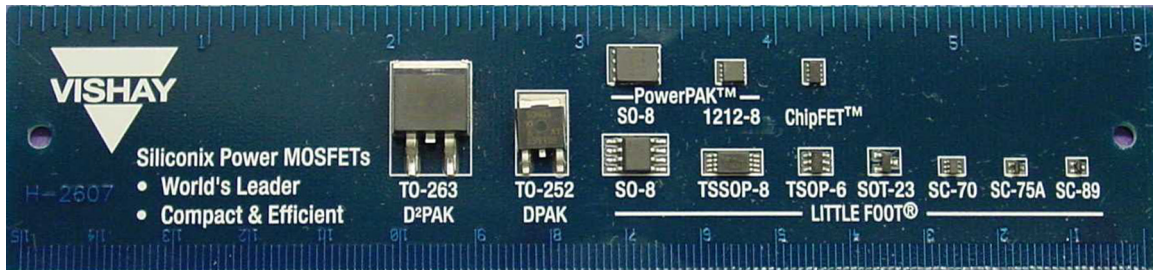
N- & P-Channel (cont'd.)										
Name	Configuration	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
<b>ChipFET™ 1206-8</b>										
Si5513DC	N	20		0.075		0.134		4.2	4	2.1
Si5513DC	P	-20		0.155		0.3		2.9	3	2.1
Si5504DC	N	30	0.085	0.143				3.9	5	2.1
Si5504DC	P	-30	0.165	0.29				2.8	5.5	2.1
<b>SC-70 (6 Leads)</b>										
Si1555DL	N	20		0.385		0.63		0.7	0.8	0.3
Si1555DL	P	-8		0.6		0.85	1.2	0.6	1.5	0.3
Si1563EDH	N	20		0.280		0.36	0.450	1.28	0.65	0.74
Si1563EDH	P	-20		0.490		0.750	1.10	1.00	1.2	0.3
Si1553DL	N	20		0.385		0.63		0.7	0.8	0.3
Si1553DL	P	-20		0.995		1.8		0.44	1.2	0.3
Si1551DL	N	20		1.9		4.2		0.3	0.72	0.3
Si1551DL	P	-20		0.995		1.8		0.44	0.52	0.3
Si1501DL	N	20		2		2.5		0.25	0.3	0.2
Si1501DL	P	-20		3.8		5		0.18	0.3	0.2
TC0205AD	N	20		2.0		2.5		0.25	0.35	0.20
TC0205AD	P	-20		3.8		5.0		0.18	0.35	0.20
Si1539DL	N	30	0.48	0.7				0.63	0.86	0.3
Si1539DL	P	-30	0.94	1.7				0.45	0.90	0.3
<b>SC-89 (6 Leads)</b>										
Si1016X	N	20		0.7		0.85	1.25	0.50	0.75	0.30
Si1016X	P	-20		1.2		1.6	2.7	0.40	1.5	0.30
Si1035X	N	20		5.0		7.0	9.0	0.14	0.75	0.20
Si1035X	P	-20		8.0		12.0	15.0	0.16	1.5	0.30
Si1029X	N	60	1.25	3.0				0.33	0.75	0.25
Si1029X	P	-60	5.0	10.0				0.16	1.3	0.30



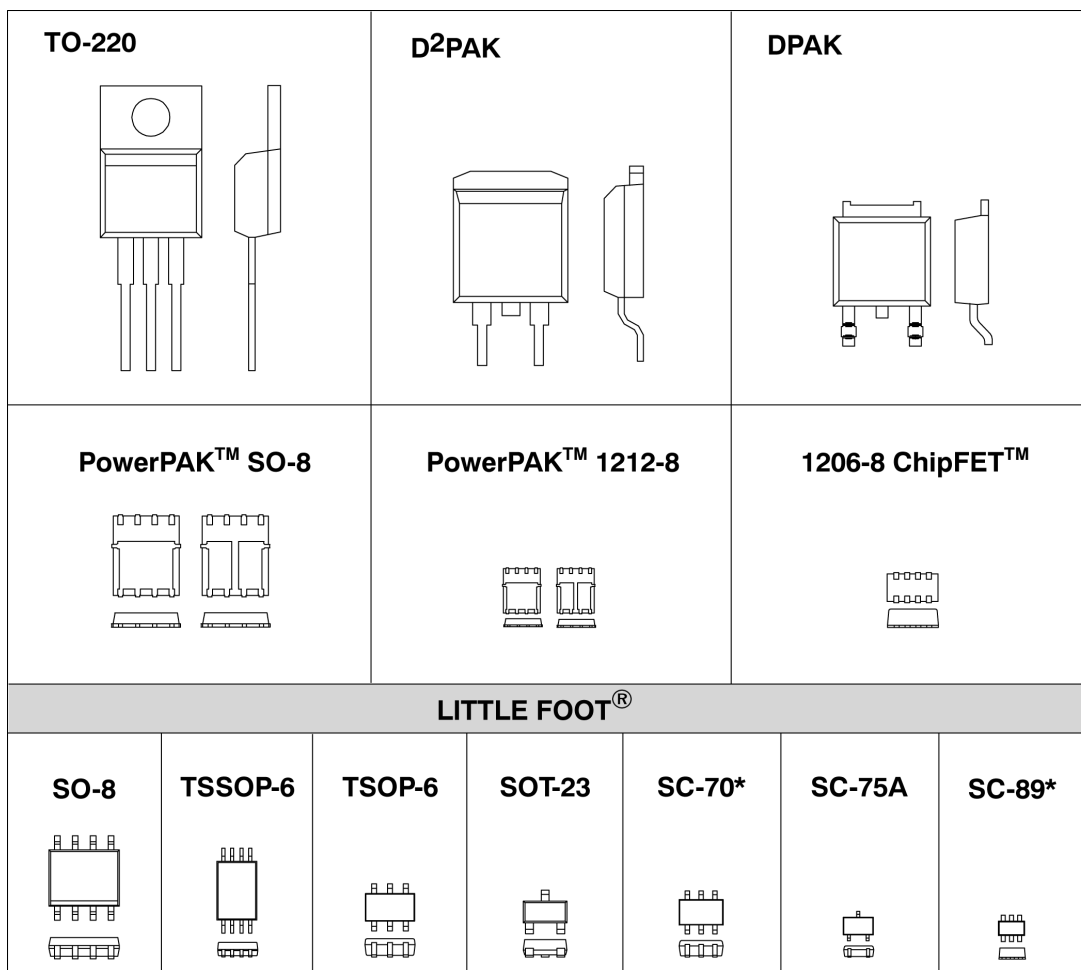
### Packaging

#### Maximum Package Dimensions

Detailed information available at <http://www.vishay.com/products/mosfets>



Package	TO-220	D <sup>2</sup> PAK	DPAK	PowerPAK™ SO-8	PowerPAK™ 1212-8	1206-8 ChipFET™	SO-8	TSSOP-8	TSOP-6	SOT-23	SC-70	SC-75A	SC-89
Length (mm)	29.71	15.88	10.41	6.20	3.40	3.10	5.00	3.10	3.10	3.04	2.20	1.60	1.70
Width (mm)	10.41	10.29	6.73	5.26	3.40	1.80	4.00	6.60	2.98	2.64	2.40	1.70	1.70
Footprint area (mm <sup>2</sup> )	309.28	163.31	70.06	32.61	11.56	5.58	20.00	20.46	9.24	8.03	5.28	2.72	2.89
Height (mm)	4.70	4.70	2.38	1.20	1.20	1.10	1.75	1.20	1.10	1.12	1.10	0.80	0.60



\*3 Leads also available

# Power MOSFET Selector Guide

Vishay Siliconix



Alphanumeric Index											
Name	Configuration	Package	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
2N7000	Single N	TO-92	60	5.0	5.3				0.20		0.4
2N7002E	Single N	SOT-23	60	3.0	4.0				0.25	0.4	0.35
2N7002K	Single N	SOT-23	60	2.0	4.0				0.3	400	0.35
BS107	Single N	TO-92	200			28.0			0.12		0.5
BS170	Single N	TO-92	60	5.0					0.50		0.8
BS250	Single P	TO-92	-45	10.0	25.0				0.18		0.8
BSS92	Single P	TO-92	-200	20.0					0.15		1.0
Si1012R	Single N	SC-75A	20		0.7		0.85	1.25	0.5	0.75	0.15
Si1012X	Single N	SC-89	20		0.7		0.85	1.25	0.5	0.75	0.25
Si1013R	Single P	SC-75A	-20		1.2		1.6	2.7	0.37	1.5	0.25
Si1013X	Single P	SC-89	-20		1.2		1.6	2.7	0.40	1.5	0.30
Si1016X	N	SC-89	20		2.0		2.5		0.25	0.35	0.20
Si1016X	P	SC-89	-20		3.8		5.0		0.18	0.35	0.20
Si1021R	Single P	SC-75A	-60	5.0	10.0				0.17	1.3	0.25
Si1022R	Single N	SC-75A	60	1.25	3.0				0.33		0.25
Si1023X	Dual P	SC-89	-20		1.2		1.6	2.7	0.40	1.5	0.30
Si1023X	Dual P	SC-89	-20		1.2		1.6	2.7	0.40	1.5	0.30
Si1024X	Dual N	SC-89	20		0.7		0.85	1.25	0.5	750	0.25
Si1025X	Dual P	SC-89	-60	5.0	10.0				0.16	1.3	0.30
Si1026X	Dual N	SC-89	60	1.25	3.0				0.33		0.25
Si1029X	N	SC-89	20		0.7		0.85	1.25	0.50	0.75	0.30
Si1029X	P	SC-89	-20		1.2		1.6	2.7	0.40	1.5	0.30
Si1031R	Single P	SC-75A	-20		8.0		12.0	15.0	0.14	1.5	0.25
Si1031X	Single P	SC-89	-20		8.0		12.0	15.0	0.16	1.5	0.30
Si1032R	Single N	SC-75A	20		5.0		7.0	9.0	0.14	0.75	0.20
Si1032X	Single N	SC-89	20		5.0		7.0	9.0	0.14	0.75	0.20
Si1033X	Dual P	SC-89	-20		8.0		12.0	15.0	0.16	1.5	0.30
Si1034X	Dual N	SC-89	20		5.0		7.0	9.0	0.14	0.75	0.20
Si1035X	N	SC-89	60	1.25	3.0				0.33	0.75	0.25
Si1035X	P	SC-89	-60	5.0	10.0				0.16	1.3	0.30
Si1037X	Single P	SC-89	-20		0.195		0.260	0.350	0.84	3.5	0.21
Si1039X	Single P	SC-89	-12		0.165		0.220	0.280	0.95	3.8	0.21
Si1040X	P	Level Shift	SC-89	-8	0.625		0.890	1.25	0.43		0.174
Si1300DL	Single N	SC-70	20		2		2.5		0.25	0.35	0.15
Si1301DL	Single P	SC-70	-20		3.8		5.0		0.18	0.35	0.15
Si1302DL	Single N	SC-70	30	0.48	0.7				0.64	0.86	0.31
Si1303DL	Single P	SC-70	-20		0.43	0.48	0.7		0.72	1.7	0.34
Si1304DL	Single N	SC-70	25		0.35		0.45		0.75	1.85	0.33
Si1305DL	Single P	SC-70	-8		0.28		0.38	0.53	0.92	2.6	0.34
Si1307DL	Single P	SC-70	-12		0.29		0.435	0.58	0.91	3.2	0.34
Si1400DL	Single N	SC-70	20		0.15		0.235		1.7	2.1	0.63
Si1403DL	Single P	SC-70	-20		0.18	0.2	0.265		1.5	3.7	0.63
Si1405DL	Single P	SC-70	-8		0.125		0.16	0.21	1.8	5.5	0.63
Si1406DH	Single N	SC-70	20		0.065		0.075	0.096	3.9	4.9	1.56
Si1407DL	Single P	SC-70	-12		0.13		0.17	0.225	1.8	5.5	0.63
Si1410EDH	Single N	SC-70	20		0.070		0.080	0.100	3.7	5.6	1.56
Si1413EDH	Single P	SC-70	-20		0.115		0.155	0.220	2.9	5.6	1.56
Si1417EDH	Single P	SC-70	-12		0.085		0.115	0.160	3.3	5.8	1.56
Si1426DH	Single N	SC-70	30	0.075	0.115				3.6	1.9	1.6
Si1501DL	N	SC-70	20		2		2.5		250	300	0.2
Si1501DL	P	SC-70	-20		3.8		5		180	300	0.2
Si1539DL	N	SC-70	30	0.48	0.7				0.63	0.86	0.3
Si1539DL	P	SC-70	-30	0.94	1.7				0.45	0.90	0.3
Si1551DL	N	SC-70	20		1.9		4.2		0.3	0.72	0.3
Si1551DL	P	SC-70	-20		0.995		1.8		0.44	0.52	0.3
Si1553DL	N	SC-70	20		0.385		0.63		0.7	0.8	0.3
Si1553DL	P	SC-70	-20		0.995		1.8		0.44	1.2	0.3



# Power MOSFET Selector Guide

Vishay Siliconix

Alphanumeric Index (cont'd.)											
Name	Configuration	Package	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
Si1555DL	P	SC-70	-8		0.6		0.85	1.2	0.6	1.5	0.3
Si1563EDH	N	SC-70	20		0.280		0.36	0.450	1.28	0.65	0.74
Si1563EDH	P	SC-70	-20		0.490		0.750	1.10	1.00	1.2	0.3
Si1865DL	P	Level Shift	SC-70	-8		0.215	0.3	0.44	1.2		0.4
Si1900DL	Dual N	SC-70	30	0.48	0.7				0.64	0.86	0.30
Si1901DL	Dual P	SC-70	-20		3.8		5		0.18	0.35	0.2
Si1902DL	Dual N	SC-70	20		0.385		0.63		0.7	0.8	0.3
Si1903DL	Dual P	SC-70	-20		0.995	1.19	1.8		0.44	1.2	0.3
Si1904EDH	Dual N	SC-70	25		0.73		1.04		0.73	0.66	0.74
Si1905DL	Dual P	SC-70	-8		0.6		0.85	1.2	0.6	1.5	0.3
Si1906DL	Single N	SC-70	20		2		2.5		0.25	0.35	0.2
Si1907DL	Dual P	SC-70	-12		0.65		0.925	1.31	0.56	1.5	0.3
Si1912EDH	Dual N	SC-70	20		0.280		0.360	0.450	1.28	0.65	0.74
Si1913EDH	Dual P	SC-70	-20		0.490		0.750	1.10	1.0	1.2	0.74
Si1917EDH	Dual P	SC-70	-12		0.370		0.575	0.800	1.15	1.3	0.73
Si2301ADS	Single P	SOT-23	-20		0.13		0.19		2.0	4.2	0.9
Si2301DS	Single P	SOT-23	-20		0.13		0.19		2.3	5.8	1.25
Si2302ADS	Single N	SOT-23	20		0.085		0.115		2.4	5.4	0.9
Si2302DS	Single N	SOT-23	20		0.085		0.115		2.8	5.4	1.25
Si2303ADS	Single P	SOT-23	-30	0.24	0.46				1.4	4.5	0.9
Si2303DS	Single P	SOT-23	-30	0.24	0.46				1.7	5.8	1.25
Si2304DS	Single N	SOT-23	30	0.117	0.19				2.5	2.4	1.25
Si2305DS	Single P	SOT-23	-8		0.052		0.071	0.108	3.5	10	1.25
Si2306DS	Single N	SOT-23	30	0.057	0.094				3.5	4.2	1.25
Si2307DS	Single P	SOT-23	-30	0.08	0.14				3	10	1.25
Si2308DS	Single N	SOT-23	60	0.16	0.22				2	4.8	1.25
Si2309DS	Single P	SOT-23	-60	0.34	0.55				1.25	5.4	1.25
Si2311DS	Single P	SOT-23	-8		0.045		0.072	0.120	3.5	8.5	0.96
Si2312DS	Single N	SOT-23	20		0.033		0.04	0.051	4.9	11.2	1.25
Si2314EDS	Single N	SOT-23	20		0.033		0.04	0.051	4.9	11.0	1.25
Si2315DS	Single P	SOT-23	-12		0.055		0.075	0.118	3.5	9	1.25
Si2316DS	Single N	SOT-23	30	0.050	0.085				3.4	4.3	0.96
Si2320DS	Single N	SOT-23	200	7					0.28	1.1	1.25
Si2328DS	Single N	SOT-23	100	0.25					1.5	3.3	1.25
Si2335DS	Single P	SOT-23	-12		0.051		0.07	0.106	4	9	1.25
Si3420DV	Single N	TSOP-6	200	3.7					0.5	2.2	2.1
Si3422DV	Single N	TSOP-6	200	5					0.42	2.1	2.1
Si3424DV	Single N	TSOP-6	30	0.028	0.038				6.7	11.5	2
Si3430DV	Single N	TSOP-6	100	0.17	0.185*				2.4	5.5	
Si3433DV	Single P	TSOP-6	-20		0.042		0.1	0.08	5.6	11.5	
Si3434DV	Single N	TSOP-6	30		0.034		0.050		6.1	8	2.0
Si3435DV	Single P	TSOP-6	-12		0.036		0.05	0.073	6.3	15	
Si3441DV	Single P	TSOP-6	-20		0.1		0.135		3.3	8.6	
Si3442DV	Single N	TSOP-6	20		0.07		0.095		4	7	
Si3443DV	Single P	TSOP-6	-20		0.065	.09	0.1		4.4	8.5	
Si3445DV	Single P	TSOP-6	-8		0.042		0.1	0.08	5.6	15	2
Si3446DV	Single N	TSOP-6	20		0.045		0.065		5.3	10	2
Si3447DV	Single P	TSOP-6	-12		0.05		0.1	0.095	5.2	16	2
Si3454ADV	Single N	TSOP-6	30	0.06	0.085				4.5	9	2
Si3454DV	Single N	TSOP-6	30	0.065					4.2	8	2
Si3455ADV	Single P	TSOP-6	-30	0.1	0.17				3.5	8.5	2
Si3455DV	Single P	TSOP-6	-30	0.1	0.19				3.5	5.1	2
Si3456DV	Single N	TSOP-6	30	0.045	0.065				5.1	5.7	2
Si3457DV	Single P	TSOP-6	-30	0.065	0.1				4.3	11	2
Si3458DV	Single N	TSOP-6	60	0.1	0.13				3.2	8	2
Si3459DV	Single P	TSOP-6	-60	0.22	0.31				2.2	7	2
Si3460DV	Single N	TSOP-6	20		0.027		0.032	0.038	6.8	13.5	2

\*r<sub>DS(on)</sub> @ V<sub>GS</sub> = 6.0 V

# Power MOSFET Selector Guide

Vishay Siliconix



Alphanumeric Index (cont'd.)											
Name	Configuration	Package	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
Si3552DV	N	TSOP-6	30	0.105	0.175				2.5	2.1	1.15
Si3552DV	P	TSOP-6	-30	0.2	0.36				1.8	2.4	1.15
Si3585DV	N	TSOP-6	20		0.125		0.200		2.4	2.1	1.15
Si3585DV	P	TSOP-6	-20		0.200		0.340		1.8	2.7	1.15
Si3588DV	N	TSOP-6	20		0.08		0.1	0.128	3	5	1.15
Si3588DV	P	TSOP-6	-20		0.145		0.2	0.3	2.2	5	1.15
Si3812DV	N	Single Plus Integrated Schottky	20		0.125		0.2		2.4	2.1	1.15
Si3831DV		Single P	TSOP-6	-7		0.17	0.2		2.4	2	1.5
Si3850DV		N	TSOP-6	20		0.5	0.75		1.2	0.8	1.25
Si3850DV		P	TSOP-6	-20		1	1.3		0.85	1.1	1.25
Si3851DV	P	Single Plus Integrated Schottky	TSOP-6	-30	0.2	0.36			1.8	2.4	1.15
Si3853DV	P	Single Plus Integrated Schottky	TSOP-6	-20		0.2	0.34		1.8	2.7	1.15
Si3861DV	P	Level Shift	TSOP-6	-20	0.105	0.175					0.83
Si3863DV	P	Level Shift	TSOP-6	-12		0.105	0.125	0.165			0.83
Si3865DV	P	Level Shift	TSOP-6	-8		0.08	0.11	0.175	2.7		0.83
Si3900DV		Dual N	TSOP-6	20		0.125	0.2		2.4	2.1	1.15
Si3905DV		Dual P	TSOP-6	-8		0.125	0.175	0.265	2.5	4.2	1.15
Si3909DV		Dual P	TSOP-6	-20		0.2	0.235	0.34	1.8	2.7	1.15
Si3911DV		Dual P	TSOP-6	-20		0.145	0.2	0.3	2.2	5	1.15
Si3915DV		Dual P	TSOP-6	-12		0.12	0.2	0.24	2.5	5	1.15
Si3948DV		Dual N	TSOP-6	30	0.11	0.175			2.5	2.1	1.15
Si4300DY	N	Single Plus Integrated Schottky	SO-8	30	0.0185	0.033			9	8.7	2.5
Si4362DY		Single N	SO-8	30	0.0045	0.0055			20	42	3.5
Si4364DY		Single N	SO-8	30	0.0045	0.0055			20	62	3.5
Si4366DY		Single N	SO-8	30	0.0048	0.0055			20	48	3.5
Si4401DY		Single P	SO-8	-40	0.015	0.022			10.5	37.5	3
Si4403DY		Single P	SO-8	-20		0.017	0.023	0.032	9	30.5	2.5
Si4404DY		Single N	SO-8	30	0.004	0.008			23	36	3.5
Si4406DY		Single N	SO-8	30	0.0045	0.0055			20	34	3.5
Si4408DY		Single N	SO-8	20	0.0045	0.0068			21	21	3.5
Si4410DY		Single N	SO-8	30	0.013	0.02			10	22.5	2.3
Si4412ADY		Single N	SO-8	30	0.024	0.035			8	16	2.5
Si4412DY		Single N	SO-8	30	0.028	0.042			7	19.5	2.5
Si4416DY		Single N	SO-8	30	0.018	0.028			9	13	2.5
Si4420DY		Single N	SO-8	30	0.009	0.013			12.5	35	2.5
Si4425DY		Single P	SO-8	-30	0.014	0.023			11	74	2.5
Si4426DY		Single N	SO-8	20		0.025	0.035		8.5	25	2.5
Si4427DY		Single P	SO-8	-30	0.0105	0.0125	0.0195		13.3	47	3
Si4429DY		Single P	SO-8	-30	0.0105	0.0125	0.0195		13.0	51	3.0
Si4430DY		Single N	SO-8	30	0.004	0.008			23	36	3.5
Si4431ADY		Single P	SO-8	-30	0.03	0.055			7	15	2.5
Si4431DY		Single P	SO-8	-30	0.04	0.07			5.8	22	2.5
Si4433DY		Single P	SO-8	-20		0.110	0.160	0.240	3.9	4.4	2.5
Si4435DY		Single P	SO-8	-30	0.02	0.035			8	47	2.5
Si4442DY		Single N	SO-8	30	0.0045	0.005	0.0075		22	36	3.5
Si4450DY		Single N	SO-8	60	0.024	0.03*			7.5	31	2.5
Si4463DY		Single P	SO-8	-20		0.014	0.02		10	48	2.5
Si4465DY		Single P	SO-8	-8		0.009	0.011	0.016	14	80	2.5
Si4466DY		Single N	SO-8	20		0.009	0.013		13.2	50	2.5
Si4467DY		Single P	SO-8	-12		0.011	0.014	0.02	12	85	2.5
Si4470EY		Single N	SO-8	60	0.011	0.0113*			12.7	46	3.75

\*r<sub>DS(on)</sub> @ V<sub>GS</sub> = 6.0 V



Alphanumeric Index (cont'd.)											
Name	Configuration	Package	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
Si4473DY	Single P	SO-8	-14		0.011		0.016		13	46	3.0
Si4480DY	Single N	SO-8	80	0.035	.04*				6	30	2.5
Si4482DY	Single N	SO-8	100	0.06	.08*				4.6	30	2.5
Si4484EY	Single N	SO-8	100	0.034	0.040*				6.9	24	3.8
Si4486EY	Single N	SO-8	100	0.025	0.028*				7.9	36	3.8
Si4488DY	Single N	SO-8	150	0.05					5	30	3.1
Si4490DY	Single N	SO-8	200	0.08	0.090*				4	34	3.1
Si4480EY	Single N	SO-8	80	0.035	.04*				6.2	30	3
Si4496DY	Single N	SO-8	100	0.025	0.031*				7.7	29	3.1
Si4500DY	N	SO-8	20		0.03		0.04		7	13	2.5
Si4500DY	P	SO-8	-20		0.065		0.1		4.5	8.5	2.5
Si4501DY	N	SO-8	30	0.018	0.027				9	4.5	2.5
Si4501DY	P	SO-8	-8		0.042		0.06		6.2	15	2.5
Si4503DY	N	SO-8	30	0.018	0.027				8.8	4.5	2.27
Si4503DY	P	SO-8	-8		0.042		0.06		4.5	15	1.38
Si4532ADY	N	SO-8	30	0.053	0.075				4.9	8	2
Si4532ADY	P	SO-8	-30	0.08	0.135				-3.9	10	2
Si4532DY	N	SO-8	30	0.065	0.095				3.9	9.8	2
Si4532DY	P	SO-8	-30	0.085	0.19				3.5	8.7	2
Si4539ADY	N	SO-8	30	0.036	0.053				5.9	13	2
Si4539ADY	P	SO-8	-30	0.053	0.09				4.9	15	2
Si4539DY	N	SO-8	30	0.037	0.055				5.8	18	2
Si4539DY	P	SO-8	-30	0.053	0.095				4.9	16	2
Si4542DY	N	SO-8	30	0.025	0.035				6.9	30	2
Si4542DY	P	SO-8	-30	0.032	0.045				6.1	32	2
Si4544DY	N	SO-8	30	0.035	0.05				6.5	18	2.4
Si4544DY	P	SO-8	-30	0.045	0.09				5.7	19	2.4
Si4558DY	N	SO-8	30	0.04	0.06				6	16	2.4
Si4558DY	P	SO-8	-30	0.04	0.07				6	22	2.4
Si4559EY	N	SO-8	60	0.055	0.075				4.5	19	2.4
Si4559EY	P	SO-8	-60	0.12	0.15				3.1	16	2.4
Si4562DY	N	SO-8	20		0.025		0.035		7.1	25	2
Si4562DY	P	SO-8	-20		0.033		0.05		6.2	22	2
Si4700DY	ASM Power Selector Switch	SO-8	12		0.030		0.040				
Si4700DY	ASM Power Selector Switch	SO-8	-12		0.070		0.110				
Si4701DY	N	Level Shift	SO-8	30	0.02	0.021			7		0.83
Si4702DY	N	Level Shift	SO-8	30	0.02	0.035			5.5		1.25
Si4703DY	N	Level Shift	SO-8	30	0.046	0.066			4		1.2
Si4710CY	P	ASM Battery Disconnect Switch	SO-8	-30	0.018				6		2.3
Si4719CY	P	ASM Battery Disconnect Switch	SO-8	-30	0.04				6		2.4
Si4720CY	P	ASM Battery Disconnect Switch	SO-8	-30	0.02				6		2.5
Si4726CY		Dual N Ch-1 + driver	SO-16	20	0.013				10		4
Si4726CY		Dual N Ch-2 + driver	SO-16	20	0.006				10		4
Si4728CY		Dual N Ch-1 + driver	SO-16	30	0.018				10		4
Si4728CY		Dual N Ch-2 + driver	SO-16	30	0.022	0.03			10		4
Si4730EY		Current Sense N	SO-8	30	0.015	0.02			11.7	34	3.6

\*r<sub>DS(on)</sub> @ V<sub>GS</sub> = 6.0 V

# Power MOSFET Selector Guide

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Alphanumeric Index (cont'd.)												
Name		Configuration	Package	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
Si4736DY	N	Single Plus Integrated Schottky	SO-8	30	0.010	0.011				13	37	3.1
Si4779CY		ASM Current Limit N	SO-8			0.045*	0.055**					
Si4788CY	Dual P	ASM Level Shift	SO-8	-6		0.02	0.025			5		1.5
Si4800DY		Single N	SO-8	30	0.018	0.033				9	8.7	2.5
Si4802DY		Single N	SO-8	30	0.02	0.03				8.4	13	2.5
Si4804DY		Dual N	SO-8	30	0.022	0.03				7.5	13	2
Si4806DY		Single N Gt-1	SO-8	30	0.022	0.03				7.7	34	2.3
Si4806DY		Single N Gt-2	SO-8	30	0.25	0.4				2	2.2	2.3
Si4807DY		Single P Gt-1	SO-8	-30	0.035	0.054				6	34	2.3
Si4807DY		Single P Gt-2	SO-8	-30	1.3	2.2				0.9	2	2.3
Si4808DY	N	Dual Plus Integrated Schottky	SO-8	30	0.022	0.03				7.5	13	2
Si4810DY	N	Single Plus Integrated Schottky	SO-8	30	0.013	0.02				10	20	2.5
Si4812DY	N	Single Plus Integrated Schottky	SO-8	30	0.018	0.028				9	16	2.5
Si4814DY	N	Dual Plus Integrated Schottky Ch-1	SO-8	30	0.021	0.0325				7.0	6.5	1.9
Si4814DY	N	Dual Plus Integrated Schottky Ch-2	SO-8	30	0.020	0.0265				7.4	9.7	2.0
Si4816DY	N	Dual Plus Integrated Schottky Gt-1	SO-8	30	0.022	0.03				6.3	8	1.4
Si4816DY	N	Dual Plus Integrated Schottky Gt-2	SO-8	30	0.013	0.018				10	15	2.4
Si4818DY	N	Dual Plus Integrated Schottky Gt-1	SO-8	30	0.022	0.03				6.3	8	1.4
Si4818DY	N	Dual Plus Integrated Schottky Gt-2	SO-8	30	0.015	0.02				9.5	15	2.4
Si4820DY		Single N	SO-8	30	0.013	0.02				10	20	2.5
Si4822DY		Single N	SO-8	30	0.01	0.015				12	31	2.5
Si4824DY		Dual N Ch-1	SO-8	30	0.04	0.065				4.7	6.5	1.4
Si4824DY		Dual N Ch-2	SO-8	30	0.017	0.027				9	17.5	2.25
Si4825DY		Single P	SO-8	-30	0.014	0.022				11.5	55	3
Si4826DY		Dual N Ch-1	SO-8	30	0.022	0.03				6.3	8	1.4
Si4826DY		Dual N Ch-2	SO-8	30	0.015	0.02				9.5	15	2.4
Si4828DY		Dual N Ch-1	SO-8	30	0.02	0.03				7.5	8	2
Si4828DY		Dual N Ch-2	SO-8	30	0.013	0.017				9.8	23	2
Si4830DY	N	Dual Plus Integrated Schottky	SO-8	30	0.022	0.03				7.5	13	2
Si4831DY	P	Single Plus Integrated Schottky	SO-8	-30	0.05	0.09				5	10	2
Si4832DY	N	Single Plus Integrated Schottky	SO-8	30	0.018	0.028				9	16	2.5
Si4834DY	N	Dual Plus Integrated Schottky	SO-8	30	0.022	0.03				7.5	13	2
Si4835DY		Single P	SO-8	-30	0.019	0.033				8	21	2.5
Si4836DY		Single N	SO-8	12		0.003		0.004	0.005	25	36	3.5

\*r<sub>DS(on)</sub> @ V<sub>IN</sub> = 4.75 V

\*\*r<sub>DS(on)</sub> @ V<sub>IN</sub> = 3.0 V





Alphanumeric Index (cont'd.)												
Name		Configuration	Package	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
Si4837DY		Single Plus Integrated Schottky	SO-8	-30	0.020	0.030				8.3	22	2.5
Si4838DY		Single N	SO-8	12		0.003		0.004		25	40	3.5
Si4840DY		Single N	SO-8	40	0.009	0.012				14	18.5	3.1
Si4842DY		Single N	SO-8	30	0.0045	0.006				23	25	3.5
Si4848DY		Single N	SO-8	150	0.085	0.095*				3.7	17	3
Si4850EY		Single N	SO-8	60	0.022	0.031				8.5	18	3.3
Si4852DY	N	Single Plus Integrated Schottky	SO-8	30	0.01	0.0175				11	24	2.5
Si4854DY	N	Dual Plus Integrated Schottky	SO-8	30	0.026	0.030		0.041		6.9	9	2.0
Si4858DY		Single N	SO-8	30	0.00525	0.007				20	30.5	3.5
Si4860DY		Single N	SO-8	30	0.008	0.011				16	13	3.5
Si4862DY		Single N	SO-8	16		0.0033		0.0043		25	47	3.5
Si4864DY		Single N	SO-8	20		0.0035		0.0047		25	47	3.5
Si4866DY		Single N	SO-8	12		0.0055		0.008		17	21	3.0
Si4872DY		Single N	SO-8	30	0.0075	0.01				15	27	3.1
Si4874DY		Single N	SO-8	30	0.007	0.01				15	35	3.1
Si4876DY		Single N	SO-8	20		0.005		0.0075		21	55	3
Si4880DY		Single N	SO-8	30	0.008	0.014				13	19.5	2.5
Si4882DY		Single N	SO-8	30	0.01	0.02				11	13.5	2.5
Si4884DY		Single N	SO-8	30	0.01	0.016				12	15.3	2.95
Si4886DY		Single N	SO-8	30	0.01	0.013				13	14.5	2.95
Si4888DY		Single N	SO-8	30	0.007	0.01				16	16.3	3.5
Si4890DY		Single N	SO-8	30	0.012	0.02				11	14.2	2.5
Si4892DY		Single N	SO-8	30	0.012	0.020				12.4	8.7	3.1
Si4894DY		Single N	SO-8	30	0.012	0.018				12.5	20	3
Si4896DY		Single N	SO-8	80	0.02	0.022*				9.5	34	3.1
Si4920DY		Dual N	SO-8	30	0.025	0.035				6.9	15	2
Si4922DY		Dual N	SO-8	30	0.02	0.018				8.8	22	8.8
Si4924DY		Dual N Ch-1	SO-8	30	0.022	0.03				6.3	8	1.4
Si4924DY		Dual N Ch-2	SO-8	30	0.01	0.014				11.5	25.5	2.4
Si4925DY		Dual P	SO-8	-30	0.032	0.045				6.1	32	2
Si4926DY		Single N Gt-1	SO-8	30	0.02	0.03				6.3	8	1.4
Si4926DY		Single N Gt-2	SO-8	30	0.01	0.017				10.5	18	2.4
Si4927DY	P	Common Drain	SO-8	-30	0.028	0.045				7.4	38	2.5
Si4936ADY		Dual N	SO-8	30	0.036	0.053				5.9	13	2
Si4936DY		Dual N	SO-8	30	0.037	0.055				5.8	18	2
Si4940DY		Dual N	SO-8	40	0.036	0.059				5.7	13.5	2.1
Si4943DY		Dual P	SO-8	-20	0.019	0.030				8.4	28	2.0
Si4946EY		Dual N	SO-8	60	0.055	0.075				4.5	19	2
Si4947ADY		Dual P	SO-8	-30	0.085	0.19				3.5	8.7	2
Si4948EY		Dual P	SO-8	-60	0.12	0.15				3.1	16	2.4
Si4953ADY		Dual P	SO-8	-30	0.053	0.09				4.9	15	2
Si4953DY		Dual P	SO-8	-30	0.053	0.095				4.9	16	2
Si4963DY		Dual P	SO-8	-20		0.033		0.05		6.2	22	2
Si4965DY		Dual P	SO-8	-8		0.021		0.027	0.04	8	36	2
Si4966DY		Dual N	SO-8	20		0.025		0.035		7.1	25	2
Si4967DY		Dual P	SO-8	-12		0.023		0.03	0.045	7.5	35	2
Si4980DY		Dual N	SO-8	80	0.075	.095*				3.7	15	2
Si4982DY		Dual N	SO-8	100	0.15	0.18*				2.6	15	2

\*r<sub>DS(on)</sub> @ V<sub>GS</sub> = 6.0 V

# Power MOSFET Selector Guide

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Alphanumeric Index (cont'd.)											
Name	Configuration	Package	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
Si5402DC	Single N	ChipFET™ 1206-8	30	0.035	0.055				6.7	13	2.5
Si5404DC	Single N	ChipFET™ 1206-8	20		0.03		0.045		7.2	12	2.5
Si5406DC	Single N	ChipFET™ 1206-8	12		0.020		0.025		9.5	13.7	2.5
Si5433DC	Single P	ChipFET™ 1206-8	-20		0.04		0.052	0.072	6.7	15	2.5
Si5435DC	Single P	ChipFET™ 1206-8	-30	0.05	0.08				5.6	16	2.5
Si5443DC	Single P	ChipFET™ 1206-8	-20		0.065	0.074	0.11		4.9	9	2.5
Si5445DC	Single P	ChipFET™ 1206-8	-8		0.035		0.047	0.062	7.1	17	2.5
Si5447DC	Single P	ChipFET™ 1206-8	-20		0.076		0.11	0.16	4.8	6.5	2.5
Si5449DC	Single P	ChipFET™ 1206-8	-30		0.085		0.135		4.3	7.2	2.5
Si5461EDC	Single P	ChipFET™ 1206-8	-20		0.045		0.06	0.082	6.2	12.5	2.5
Si5463EDC	Single P	ChipFET™ 1206-8	-20		0.062		0.085	0.120	5.1	9.7	2.3
Si5465EDC	Single P	ChipFET™ 1206-8	-12		0.037		0.048	0.065	7.0	13.5	2.5
Si5475DC	Single P	ChipFET™ 1206-8	-12		0.031		0.041	0.054	7.6	19	2.5
Si5504DC	N	ChipFET™ 1206-8	30	0.085	0.143				3.9	5	2.1
Si5504DC	P	ChipFET™ 1206-8	-30	0.165	0.29				2.8	5.5	2.1
Si5513DC	N	ChipFET™ 1206-8	20		0.075		0.134		4.2	4	2.1
Si5513DC	P	ChipFET™ 1206-8	-20		0.155		0.3		2.9	3	2.1
Si5853DC	P	Single Plus Integrated Schottky	-20		0.11		0.16	0.24	3.6	4.4	2.1
Si5902DC	Dual N	ChipFET™ 1206-8	30	0.085	0.143				3.9	5	2.1
Si5903DC	Dual P	ChipFET™ 1206-8	-20		0.155	0.18	0.26		2.9	3	2.1
Si5904DC	Dual N	ChipFET™ 1206-8	20		0.075		0.134		4.2	4	2.1
Si5905DC	Dual P	ChipFET™ 1206-8	-8		0.09		0.13	0.18	4.1	5.5	2.1
Si5915DC	Dual P	ChipFET™ 1206-8	-8		0.070		0.108	0.162	4.6	5.9	2.1
Si5933DC	Dual P	ChipFET™ 1206-8	-20		0.11		0.16	0.24	3.6	4.4	2.1
Si5975DC	Dual P	ChipFET™ 1206-8	-12		0.86		0.127	0.164	4.1	5.7	2.1
Si6404DQ	Single N	TSSOP-8	30	0.009	0.010		0.014		11	32	1.75
Si6410DQ	Single N	TSSOP-8	30	0.014	0.021				7.8	22	1.5
Si6415DQ	Single P	TSSOP-8	-30	0.019	0.03				6.5	47	1.5
Si6426DQ	Single N	TSSOP-8	20		0.035		0.04		5.4	18	1.5
Si6434DQ	Single N	TSSOP-8	30	0.028	0.042				5.6	18	1.5
Si6435ADQ	Single P	TSSOP-8	-30	0.03	0.055				5.5	15	1.5
Si6435DQ	Single P	TSSOP-8	-30	0.04	0.07				4.5	25	1.5
Si6447DQ	Single P	TSSOP-8	-20	0.09	0.160				3.2	15	1.5
Si6459DQ	Single P	TSSOP-8	-60	0.12	0.15				2.6	16	1.5
Si6463ADQ	Single P	TSSOP-8	-20		0.017		0.023	0.032	7.4	30.5	1.5
Si6433DQ	Single P	TSSOP-8	-12		0.06		0.09		4	20	1.5



# Power MOSFET Selector Guide

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Alphanumeric Index (cont'd.)											
Name	Configuration	Package	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
Si6463DQ	Single P	TSSOP-8	-20		0.02		0.03		6.5	33	1.5
Si6465DQ	Single P	TSSOP-8	-8		0.012		0.017	0.025	8.8	50	1.5
Si6466ADQ	Single N	TSSOP-8	20		0.014		0.02		8.1	18	1.5
Si6466DQ	Single N	TSSOP-8	20		0.014		0.021		7.8	34	1.5
Si6467DQ	Single P	TSSOP-8	-12		0.014		0.019	0.027	8	49	1.5
Si6469DQ	Single P	TSSOP-8	-8		0.028	.031	0.04	0.065	6	20	1.5
Si6473DQ	Single P	TSSOP-8	-20		0.012		0.016	0.021	9.5	47.5	1.75
Si6475DQ	Single P	TSSOP-8	-12		0.011			0.017	10	49.5	1.75
Si6542DQ	N	TSSOP-8	20	0.09	0.175				2.5	7.0	1
Si6542DQ	P	TSSOP-8	-20	0.17	0.32				1.9	7.0	1
Si6543DQ	N	TSSOP-8	30	0.065	0.095				3.9	9.8	1
Si6543DQ	P	TSSOP-8	-30	0.085	0.19				2.5	8.7	1
Si6544DQ	N	TSSOP-8	30	0.035	0.05				4	17.5	1
Si6544DQ	P	TSSOP-8	-30	0.045	0.09				3.5	17	1
Si6552DQ	N	TSSOP-8	20		0.08		0.11		2.8	16	1
Si6552DQ	P	TSSOP-8	-12		0.1		0.18		2.5	9	1
Si6562DQ	N	TSSOP-8	20		0.03		0.04		4.5	13	1
Si6562DQ	P	TSSOP-8	-20		0.05		0.085		3.5	14.5	1
Si6801DQ	N	TSSOP-8	20		0.16	0.26			1.9	1.7	1
Si6801DQ	P	TSSOP-8	-20		0.19	0.28			1.7	3.5	1
Si6802DQ	Single N	TSSOP-8	20		0.075	0.11			3.3	4.5	1.5
Si6803DQ	N	TSSOP-8	20		0.095	0.145			2.5	3.8	1
Si6803DQ	P	TSSOP-8	-20		0.11	0.165			2.3	5.2	1
Si6820DQ	N	Single Plus Integrated Schottky	20		0.16	0.26			1.9	2.1	1.2
Si6821DQ	P	Single Plus Integrated Schottky	-20		0.19	0.28			1.7	3.5	1.2
Si6862DQ	Current Sense N	TSSOP-8	20		0.026		0.036		6.6	25	1.8
Si6866DQ	N	Common Drain	20		0.03		0.04		5.8	11	1.67
Si6874EDQ	N	Common Drain	20		0.026		0.031	0.039	6.5	12.5	1.67
Si6875DQ	P	Common Drain	-20		0.027		0.036	0.052	6.4	26	1.78
Si6876EDQ	N	Common Drain	30*	0.0125**	0.0150**		0.0250**		6.2	13	1.78
Si6880EDQ	N	Common Drain	20		0.018		0.022	0.026	7.5	27	1.78
Si6923DQ	P	Single Plus Integrated Schottky	-20		0.05		0.085		3.5	14.5	1.2
Si6925DQ	Dual N	TSSOP-8	20		0.05	0.06	0.08		3.4	7.5	1
Si6926DQ	Dual N	TSSOP-8	20		0.035	0.04	0.045		4	12	1
Si6928DQ	Dual N	TSSOP-8	30	0.035	0.05				4	9	1
Si6943DQ	Dual P	TSSOP-8	-12		0.1		0.18		2.5	9	1
Si6946DQ	Dual N	TSSOP-8	20		0.08		0.11		2.8	16	1
Si6953DQ	Dual P	TSSOP-8	-20	0.17	0.32				1.9	7	1
Si6954ADQ	Dual N	TSSOP-8	30	0.053	0.075				3.4	8	1
Si6954DQ	Dual N	TSSOP-8	30	0.065	0.095				3.9	9.8	1
Si6955ADQ	Dual P	TSSOP-8	-30	0.08	0.135				2.9	5.8	1.14
Si6955DQ	Dual P	TSSOP-8	-30	0.085	0.19				2.5	8.7	1
Si6956DQ	Dual N	TSSOP-8	20	0.09	0.175				2.5	7.0	1
Si6963DQ	Dual P	TSSOP-8	-20		0.05		0.085		3.2	14.5	1
Si6965DQ	P	Common Drain	-20		0.035		0.06		5	17.5	1.5

\*V<sub>SS</sub> \*\*r<sub>SS(on)</sub> + 2

# Power MOSFET Selector Guide

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Alphanumeric Index (cont'd.)												
Name		Configuration	Package	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
Si6966DQ	N	Common Drain	TSSOP-8	20		0.03		0.04		4.5	13	1
Si6967DQ		Dual P	TSSOP-8	-8		0.03		0.045	0.07	5	20	1.1
Si6968ADQ	N	Common Drain	TSSOP-8	20		0.022		0.03		6.2	13.5	1.5
Si6968DQ	N	Common Drain	TSSOP-8	20		0.022		0.03		6.5	16	1.5
Si6968EDQ – REVA	N	Common Drain	TSSOP-8	20		0.022		0.03		6.5	16	1.5
Si6969DQ		Dual P	TSSOP-8	-12		0.034		0.05	0.075	4.6	21	1.1
Si6973DQ		Dual P	TSSOP-8	-20		0.03			0.055	4.8	21	1.14
Si6975DQ		Dual P	TSSOP-8	-12		0.027		0.035	0.046	5.1	23	1.14
Si7401DN		Single P	PowerPAK™ 1212-8	-20		0.021		0.028	0.034	11	29	3.8
Si7403DN		Single P	PowerPAK™ 1212-8	-20		0.1		0.135		4.5	8.6	3.5
Si7404DN		Single N	PowerPAK™ 1212-8	30	0.013	0.015		0.022		13.3	47	3.8
Si7405DN		Single P	PowerPAK™ 1212-8	-12		0.016		0.022	0.028	13	35	3.8
Si7414DN		Single N	PowerPAK™ 1212-8	60	0.025	0.036				8.7	16	3.8
Si7415DN		Single P	PowerPAK™ 1212-8	-60	0.065	0.110				5.7	15	3.8
Si7440DP		Single N	PowerPAK™ SO-8	30	0.0065	0.008				21	29	5.4
Si7445DP		Single P	PowerPAK™ SO-8	-20		0.0077		0.0094	0.0125	19	92	5.4
Si7446DP		Single N	PowerPAK™ SO-8	30	0.0075	0.010				19	36	5.2
Si7448DP		Single N	PowerPAK™ SO-8	20		0.0065		0.009		22	38	5.2
Si7450DP		Single N	PowerPAK™ SO-8	200	0.080	0.090*				5.3	34	5.2
Si7454DP		Single N	PowerPAK™ SO-8	100	0.034	0.040*				7.8	24	4.8
Si7456DP		Single N	PowerPAK™ SO-8	100	0.025	0.028*				9.3	36	5.2
Si7458DP		Single N	PowerPAK™ SO-8	20		0.0045		0.0075		22	38	5.2
Si7703EDN	P	Single Plus Integrated Schottky	PowerPAK™ 1212-8	-20		0.048		0.068	0.090	6.3	12	2.8
Si7705DN	P	Single Plus Integrated Schottky	PowerPAK™ 1212-8	-20		0.048		0.068	0.090	6.3	11	2.8
Si7810DN		Single N	PowerPAK™ 1212-8	100	0.062	0.084*				5.4	13.5	3.8
Si7840DP		Single N	PowerPAK™ SO-8	30	0.0095	0.014				18	15.5	5.0
Si7842DP	N	Dual Plus Integrated Schottky	PowerPAK™ SO-8	30	0.022	0.030				10	13	3.5
Si7844DP		Dual N	PowerPAK™ SO-8	30	0.022	0.030				10	13	3.5
Si7846DP		Single N	PowerPAK™ SO-8	150	0.050					6.7	30	5.2
Si7848DP		Single N	PowerPAK™ SO-8	40	0.009	0.012				17	18.5	5
Si7850DP		Dual	PowerPAK™ SO-8	60	0.022	0.031				10.3	18	4.5

\*r<sub>DS(on)</sub> @ V<sub>GS</sub> = 6.0 V



# Power MOSFET Selector Guide

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Alphanumeric Index (cont'd.)												
Name	Configuration	Package	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.	
Si7852DP	Single N	PowerPAK™ SO-8	80	0.0165	0.022*				12.5	34	5.2	
Si7856DP	Single N	PowerPAK™ SO-8	30	0.0045	0.0055				25	34	5.4	
Si7858DP	Single N	PowerPAK™ SO-8	12		0.003		0.004		29	40	5.4	
Si7862DP	Single N	PowerPAK™ SO-8	16		0.0033		0.0055		29	48	5.4	
Si7864DP	Single N	PowerPAK™ SO-8	20		0.0035		0.0047		29	47	5.4	
Si7886DP	Single N	PowerPAK™ SO-8	30	0.0045	0.0055				25	42	5.4	
Si7892DP	Single N	PowerPAK™ SO-8	30	0.0045	0.006				25	25	5.4	
Si7894DP	Single N	PowerPAK™ SO-8	30	0.0045	0.0055				25	48	5.4	
Si7900EDN	N	Common Drain	PowerPAK™ 1212-8	20		0.026		0.031	0.039	9	12.5	3.2
Si7901EDN		Dual P	PowerPAK™ 1212-8	-20		0.048		0.068	0.090	6.3	12	2.8
Si7902EDN	N	Common Drain	PowerPAK™ 1212-8	30		0.028	0.030*	0.043		8.3	10	3.2
Si7904DN		Dual N	PowerPAK™ 1212-8	20		0.030		0.036	0.045	7.7	10.2	2.8
Si7941DN		Dual P	PowerPAK™ SO-8	-30	0.027	0.039				9.0	42	3.5
Si7943DN		Dual P	PowerPAK™ SO-8	-30	0.025	0.030		0.045		9.4	47	3.5
Si8401DB		Single P	MICRO FOOT™	-20		0.070		0.100		4.9	11	2.77
Si8900EDB	N	Common Drain	MICRO FOOT™	20**		0.012***	0.013***	0.017***	0.020***	7		1.8
Si9400DY		Single P	SO-8	-20	0.25	0.4				2.5	5.4	2.5
Si9407AEY		Single P	SO-8	-60	0.12	0.15				3.5	18	3
Si9410DY		Single N	SO-8	30	0.03	0.05				7	24	2.5
Si9422DY		Single N	SO-8	200	0.42					1.7	13	2.5
Si9424DY		Single P	SO-8	-20		0.025		0.033		7.7	46	2.5
Si9426DY		Single N	SO-8	20		0.013		0.016		10	46.5	2.5
Si9428DY		Single N	SO-8	20		0.03		0.04		6	21	2.5
Si9430DY		Single P	SO-8	-20	0.05	0.09				5.8	27	2.5
Si9433DY		Single P	SO-8	-20		0.045		0.07		5.4	20	2.5
Si9434DY		Single P	SO-8	-20		0.04		0.06		6.4	30	2.5
Si9435DY		Single P	SO-8	-30	0.055	0.105				5.1	27	2.5
Si9436DY		Single N	SO-8	30	0.04	0.06				6.8	14	3
Si9801DY		N	SO-8	20		0.055	0.075			4.5	5.2	2
Si9801DY		P	SO-8	-20		0.08	0.12			4	7.9	2
Si9802DY		Dual N	SO-8	20		0.055	0.075			4.5	5.5	2
Si9803DY		Single P	SO-8	-25		0.04	0.06			5.9	15.8	2.5
Si9804DY		Single N	SO-8	25		0.023	0.03			7.8	13.5	2.5
Si9806DY		Single N Gt-1	SO-8	25		0.027	0.038			7	14	2.5
Si9806DY		Single N Gt-2	SO-8	25		0.4	0.57			1.8	1.2	1
Si9925DY		Dual N	SO-8	20		0.05		0.08		5	9	2
Si9926ADY		Dual N	SO-8	20		0.030		0.040		6	13	2.0
Si9933ADY		Dual P	SO-8	-20		0.075	0.105			3.4	10	2
Si9934DY		Dual P	SO-8	-12		0.05		0.074		5	21	2
Si9936DY		Dual N	SO-8	30	0.05	0.08				5	13.5	2
Si9939DY		N	SO-8	30	0.05	0.08				3.5	14	2

\*r<sub>DS(on)</sub> @ V<sub>GS</sub> = 3.7 V

\*\*V<sub>SS</sub>

\*\*\*r<sub>ss(on)</sub> ÷ 2

# Power MOSFET Selector Guide

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Alphanumeric Index (cont'd.)											
Name	Configuration	Package	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
Si9939DY	P	SO-8	-30	0.1	0.16				3.5	14.5	2
Si9942DY	N	SO-8	20	0.125	0.25				3	7	2
Si9942DY	P	SO-8	-20	0.2	0.35				2.5	6.7	2
Si9945AEY	Dual N	SO-8	60	0.08	0.1				3.7	11	2.4
Si9948AEY	Dual P	SO-8	-60	0.17	0.26				2.6	10	2.4
Si9953DY	Dual P	SO-8	-20	0.25	0.4				2.3	6.7	2
Si9956DY	Dual N	SO-8	20	0.1	0.2				3.5	7	2
SUB15P01-52 SUP15P01-52	Single P	D <sup>2</sup> PAK TO-220	-8		0.052		0.07	0.105	15	6.5	25
SUB40N06-25L SUP40N06-25L	Single N	D <sup>2</sup> PAK TO-220	60	0.022	0.025				40	40	90
SUB45N03-13L SUP45N03-13L	Single N	D <sup>2</sup> PAK TO-220	30	0.013	0.02				45	45	88
SUB45N05-20L SUP45N05-20L	Single N	D <sup>2</sup> PAK TO-220	50	0.018	0.02				45	43	93
SUB50N03-20C	Current Sense N	D <sup>2</sup> PAK	30	0.015	0.02				50	35	83
SUB50N04-07T	Temperature Sense N	D <sup>2</sup> PAK-5	40	0.0075					50	115	200
SUB50P05-13LT	Temperature Sense P	D <sup>2</sup> PAK-5	-55	0.01	0.019				50	107	200
SUB60N04-15LT	Temperature Sense N	D <sup>2</sup> PAK-5	40	0.012	0.015				60	51	110
SUB60N06-18 SUP60N06-18	Single N	D <sup>2</sup> PAK TO-220	60	0.018					60	39	120
SUB65P04-15 SUP65P04-15	Single P	D <sup>2</sup> PAK TO-220	-40	0.015	0.023				65	85	120
SUB65P06-20 SUP65P06-20	Single P	D <sup>2</sup> PAK TO-220	-60	0.02					65	85	187
SUB70N03-09BP SUP70N03-09BP	Single N	D <sup>2</sup> PAK TO-220	30	0.009	0.013				70	15.5	93
SUB70N03-09P SUP70N03-09P	Single N	D <sup>2</sup> PAK TO-220	30	0.009	0.015				70	45	93
SUB70N04-10 SUP70N04-10	Single N	D <sup>2</sup> PAK TO-220	40	0.01	0.014				70	50	107
SUB70N06-14 SUP70N06-14	Single N	D <sup>2</sup> PAK TO-220	60	0.014					70	45	142
SUB15P01-52 SUP15P01-52	Single P	D <sup>2</sup> PAK TO-220	-8		0.052		0.07	0.105	15	6.5	25
SUB40N06-25 SUP40N06-25L	Single N	D <sup>2</sup> PAK TO-220	60	0.022	0.025				40	40	90
SUB45N03-13L SUP45N03-13L	Single N	D <sup>2</sup> PAK TO-220	30	0.013	0.02				45	45	88
SUB45N05-20L SUP45N05-20L	Single N	D <sup>2</sup> PAK TO-220	50	0.018	0.02				45	43	93
SUB50N03-20C	Current Sense N	D <sup>2</sup> PAK	30	0.015	0.02				50	35	83
SUB75N03-04 SUP75N03-04	Single N	D <sup>2</sup> PAK TO-220	30	0.004					75	200	187
SUB75N03-07 SUP75N03-07	Single N	D <sup>2</sup> PAK TO-220	30	0.007	0.01				75	70	120
SUB75N04-05L SUP75N04-05L	Single N	D <sup>2</sup> PAK TO-220	40	0.005	0.006				75	130	187
SUB75N05-06 SUP75N05-06	Single N	D <sup>2</sup> PAK TO-220	50	0.006					75	85	187
SUB75N05-07	Single N	D <sup>2</sup> PAK	55	0.007	0.009				75	135	158
SUB75N06-07L SUP75N06-07L	Single N	D <sup>2</sup> PAK TO-220	60	0.007	0.008				75	75	187
SUB75N06-08 SUP75N06-08	Single N	D <sup>2</sup> PAK TO-220	60	0.008					75	85	187



# Power MOSFET Selector Guide

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Alphanumeric Index (cont'd.)											
Name	Configuration	Package	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
SUB75N06-12L SUP75N06-12L	Single N	D <sup>2</sup> PAK TO-220	60	0.012	0.014				75	59	142
SUB75N08-09L SUP75N08-09L	Single N	D <sup>2</sup> PAK TO-220	75	0.009	0.011				75	121	250
SUB75N08-10 SUP75N08-10	Single N	D <sup>2</sup> PAK TO-220	75	0.01					75	85	187
SUB75P03-07 SUP75P03-07	Single P	D <sup>2</sup> PAK TO-220	-30	0.007	0.01				75	160	187
SUB75P03-08 SUP75P03-08	Single P	D <sup>2</sup> PAK TO-220	-30	0.008					75	115	187
SUB75P05-08 SUP75P05-08	Single P	D <sup>2</sup> PAK TO-220	-55	0.008					75	140	250
SUB85N02-03 SUP85N02-03	Single N	D <sup>2</sup> PAK TO-220	20		0.003		0.0034		85	140	250
SUB85N02-06 SUP85N02-06	Single N	D <sup>2</sup> PAK TO-220	20		0.006		0.009		85	65	120
SUB85N03-04P SUP85N03-04P	Single N	D <sup>2</sup> PAK TO-220	30		0.007				85	71	166
SUB85N03-07P SUP85N03-07P	Single N	D <sup>2</sup> PAK TO-220	30	0.007	0.01				85	60	107
SUB85N04-03 SUP85N04-03	Single N	D <sup>2</sup> PAK TO-220	40	0.003	0.005				85	165	250
SUB85N04-04 SUP85N04-04	Single N	D <sup>2</sup> PAK TO-220	40	0.004					85	160	250
SUB85N06-05 SUP85N06-05	Single N	D <sup>2</sup> PAK TO-220	60	0.005	0.007				85	155	250
SUB85N08-08 SUP85N08-08	Single N	D <sup>2</sup> PAK TO-220	75	0.008					85	100	250
SUB85N10-10 SUP85N10-10	Single N	D <sup>2</sup> PAK TO-220	100	0.01	0.012				85	105	250
SUD06N10-225L	Single N	DPAK	100	0.2	0.225				6.5	2.7	20
SUD10P06-280L	Single P	DPAK	-60	0.17	0.28				10	11.5	37
SUD15N06-90L	Single N	DPAK	60	0.065	0.09				15	12	37
SUD15N15-95	Single N	DPAK	150	0.095	0.100*				15	20	62
SUD15P01-52	Single P	DPAK	-8		0.052		0.070	0.105	15	6.5	21.4
SUD19N20-90	Single N	DPAK	200	0.090	0.105*				19	34	100
SUD25N04-25	Single N	DPAK	40	0.025	0.04				25	13	33
SUD25N06-45L	Single N	DPAK	60	0.035	0.045				25	26	50
SUD25N15-52	Single N	DPAK	150	0.052	0.060*				25	33	100
SUD30N03-30	Single N	DPAK	30	0.03	0.045				30	18	50
SUD30N04-10	Single N	DPAK	40	0.01	0.014				30	50	97
SUD35N05-26L	Single N	DPAK	55	0.020	0.026				35	10.5	50
SUD40N02-08	Single N	DPAK	20		0.0085		0.014		40	26	71
SUD40N03-18P	Single N	DPAK	30	0.018	0.027				40	19	62.5
SUD40N04-10A	Single N	DPAK	40	0.01	0.014				40	35	71
SUD40N06-25L	Single N	DPAK	60	0.022	0.025				20	40	75
SUD40N08-16	Single N	DPAK	80	0.016					40	42	100
SUD40N10-25	Single N	DPAK	100	0.025	0.028				40	40	33
SUD45N05-20L	Single N	DPAK	50	0.018	0.02				30	43	75
SUD45P03-10	Single P	DPAK	-30	0.01	0.018				15	90	70
SUD45P03-15	Single P	DPAK	-30	0.015	0.024				13	50	70
SUD45P03-15A	Single P	DPAK	-30	0.015	0.024				15	60	70
SUD50N02-06	Single N	DPAK	20		0.006		0.009		30	65	100
SUD50N03-06P	Single N	DPAK	30	0.0065	0.0095				25	48	88
SUD50N03-07	Single N	DPAK	30	0.007	0.01				20	70	83
SUD50N03-07AP	Single N	DPAK	30	0.007	0.01				25	60	88
SUD50N03-10	Single N	DPAK	30	0.01	0.019				15	55	83

\*r<sub>DS(on)</sub> @ V<sub>GS</sub> = 6.0 V

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Vishay Siliconix



Alphanumeric Index (cont'd.)											
Name	Configuration	Package	V <sub>DS</sub> (V)	r <sub>DS(on)</sub> @10.0V	r <sub>DS(on)</sub> @4.5V	r <sub>DS(on)</sub> @3.3V	r <sub>DS(on)</sub> @2.5V	r <sub>DS(on)</sub> @1.8V	I <sub>D</sub> (A) Max.	Q <sub>g</sub> (nC) Typ.	P <sub>D</sub> (W) Max.
SUD50N03-10AP	Single N	DPAK	30	0.01	0.014				20	55	71
SUD50N03-10BP	Single N	DPAK	30	0.01	0.014				20	15.5	71
SUD50N03-10CP	Single N	DPAK	30	0.01	0.012				15	13	71
SUD50N03-10P	Single N	DPAK	30	0.01	0.015				50	45	65
SUD50N03-11	Single N	DPAK	30	0.011	0.017				50	12	62.5
SUD50P04-15	Single P	DPAK	-40	0.015	0.023				50	85	100
SUM50N03-13LC	Current Sense N	D <sup>2</sup> PAK-5	30	0.013	0.017				50	35	83
SUM60N04-05LT	Temperature Sense N	D <sup>2</sup> PAK-5	40	0.0045	0.0065				60	130	200
SUM60N04-06T	Temperature Sense N	D <sup>2</sup> PAK-5	40	0.0055					60	115	200
SUM60N04-12LT	Temperature Sense N	D <sup>2</sup> PAK-5	40	0.009	0.012				60	51	110
SUM60N08-07C	Current Sense N	D <sup>2</sup> PAK-5	75	0.007					60	110	300
SUM60N08-07T	Temperature Sense N	D <sup>2</sup> PAK-5	75	0.007					60	110	300
SUM60P05-11LT	Temperature Sense P	D <sup>2</sup> PAK-5	-55	0.011	0.0175				60	107	200
SUM65N20-30	Single N	D <sup>2</sup> PAK	200	0.030					65	90	375
SUM85N03-08P	Single N	D <sup>2</sup> PAK	30	0.0075	0.0105				85	13	100
SUM85N15-19	Single N	D <sup>2</sup> PAK	150	0.019					85	76	375
SUM110N04-02L	Single N	D <sup>2</sup> PAK	40	0.0023	0.0038				110	165	437.5
SUM110N04-03	Single N	D <sup>2</sup> PAK-5	40	0.0028					110	165	437.5
SUM110N06-04L	Single N	D <sup>2</sup> PAK	60	0.0035	0.005				110	150	437.5
SUM110N08-05	Single N	D <sup>2</sup> PAK	75	0.0048					110	145	437.5
SUM110N08-07	Single N	D <sup>2</sup> PAK	75	0.007					110	110	200
SUM110N08-10	Single N	D <sup>2</sup> PAK	75	0.010					110	90	200
SUM110N10-09	Single N	D <sup>2</sup> PAK	100	0.0095					110	110	437.5
SUP18N15-95	Single N	TO-220	150	0.095	0.100*				18	20	88
SUU06N10-225L	Single N	TO-251	100	0.2	0.225				6.5	2.7	20
SUU15N15-95	Single N	TO-251	150	0.095	0.100*				15	20	62
SUU50N03-07	Single N	TO-251	30	0.007	0.01				25	60	88
SUU50N03-10P	Single N	TO-251	30	0.01	0.014				20	55	71
SUY50N03-07AP	Single N	TO-251 Short Lead	30	0.008	0.010				25	60	88
SUY50N03-10CP	Single N	TO-251	30	0.010	0.012				15	13	71
TC0205AD	N	SC-70	-20		8.0		12.0	15.0	0.16	1.5	0.30
TC0205AD	P	SC-70	-60	5.0	10.0				0.16	1.3	0.30
TN0200T	Single N	SOT-23	20		0.4		0.5		0.73	1.9	0.35
TN0200TS	Single N	SOT-23	20		0.4		0.5		1.2	1.9	1.0
TN0201L	Single N	TO-92	20	1.2	2.0	4.0			0.64		0.8
TN0201T	Single N	SOT-23	20	0.75	1.0				0.39	1.4	0.35
TN0205A	Single N	SC-70	20		2.0		2.5		0.25	0.35	0.15
TN0205AD	Dual N	SC-70	20		2.0		2.5		0.25	0.35	0.20
TN0401L	Single N	TO-92	40	1.2	2.0	4.0			0.64		0.8
TN0601L	Single N	TO-92	60	1.8	3.0	5.0			0.47		0.8
TN2410L	Single N	TO-92	240	10.0		15.0			0.18		0.8
TN2460L	Single N	TO-92	240	60.0					0.75		0.8
TN2460T	Single N	SOT-23	240	60.0					0.05		0.36
TN3012L	Single N	TO-92	240	12.0	20.0				0.18		0.8
TP0101T	Single P	SOT-23	-20		0.65		0.85		0.6	2.02	0.35
TP0101TS	Single P	SOT-23	-20		0.65		0.85		1.0	2.02	1.0
TP0202K	Single P	SOT-23	-30	1.4	3.5				3.85	0.175	0.35
TP0202T	Single P	SOT-23	-20	1.4	3.5				0.41	2.7	0.35
TP0205A	Single P	SC-70	-20		3.8		5.0		0.18	0.35	0.15
TP0205AD	Dual P	SC-70	-20		3.8		5.0		0.18	0.35	0.20





# Power MOSFET Selector Guide

## Vishay Siliconix

\* $r_{DS(on)}$  @  $V_{GS} = 6.0\text{ V}$

Alphanumeric Index (cont'd.)											
Name	Configuration	Package	$V_{DS}$ (V)	$r_{DS(on)}$ @ 10.0V	$r_{DS(on)}$ @ 4.5V	$r_{DS(on)}$ @ 3.3V	$r_{DS(on)}$ @ 2.5V	$r_{DS(on)}$ @ 1.8V	$I_D$ (A) Max.	$Q_g$ (nC) Typ.	$P_D$ (W) Max.
TP0610K	Single P	SOT-23	-60	5.0	10.0				0.40	1.5	0.25
TP0610L	Single P	TO-92	-60	10.0					0.18		0.8
VN0300L	Single N	TO-92	30	1.2	3.3				0.64		0.8
VN0300LS	Single N	TO-92S	30	1.2	3.3				0.67		0.9
VN0605T	Single N	SOT-23	60	5.0	7.5				0.18		0.36
VN0606L	Single N	TO-92	60	3.0					0.33		0.8
VN0610L	Single N	TO-92	60	5.0	7.5				0.27		0.8
VN0610LL	Single N	TO-92	60	5.0	7.5				0.28		0.8
VN0808L	Single N	TO-92	80	4.0					0.30		0.8
VN0808LS	Single N	TO-92S	80	4.0					0.33		0.9
VN10KLS	Single N	TO-92S	60	5.0	7.5				0.31		0.9
VN10LE	Single N	TO-52	60	5.0	7.5				0.38		1.5
VN10LLS	Single N	TO-92S	60	5.0	7.5				0.32		0.9
VN1206L	Single N	TO-92	120	6.0					0.23		0.8
VN2010L	Single N	TO-92	200	10.0					0.19		0.8
VN2222L	Single N	TO-92	60	7.5					0.27		0.8
VN2222LL	Single N	TO-92	60	7.5					0.28		0.8
VN2406D	Single N	TO-220	240	6.0			10.0		1.12		20
VN2406L	Single N	TO-92	240	6.0					0.18		0.8
VN2410L	Single N	TO-92	240	10.0					0.18		0.8
VN2410LS	Single N	TO-92S	240	10.0					0.19		0.9
VN3515L	Single N	TO-92	350		15.0				0.15		0.8
VN4012L	Single N	TO-92	400		12.0				0.16		0.8
VN50300L	Single N	TO-92	500	300.0					0.03		0.8
VN50300T	Single N	SOT-23	500	300.0					0.02		0.35
VN66AFD	Single N	TO-220	60	3.0	5.0				1.46		15
VN88AFD	Single N	TO-220V	80	4.0	5.6				1.29		15
VP0300L	Single P	TO-92	-30	2.5					0.32		0.8
VP0300LS	Single P	TO-92S	-30	2.5					0.50		0.90
VP0808L	Single P	TO-92	-80	5.0					0.28		0.8
VP2020L	Single P	TO-92	-200	20.0					0.12		0.8
VP2410L	Single P	TO-92	-240		10.0				0.18		0.8