



Table of Contents

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:

- ◆ <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

LITTLE FOOT Plus™ Schottky

PowerPAK™ SO-8	1
SO-8	1
TSSOP-8	1
PowerPAK™ 1212-8	2
TSOP-6	2
ChipFET™ 1206-8	2

Level-Shift Devices

SO-8	2
TSOP-6	2
SC-70 (6 leads)	2

Battery Switch Devices

SO-16	2
TSOP-6	3
PowerPAK™ 1212-8	3
TSSOP-8	3

Current Sense Devices

D ² PAK (TO-263)	3
SO-8	3
TSSOP-8	3

N-Channel Dual Asymmetrics

SO-16	3
SO-8	3

N-Channel

D ² PAK/TO-263 – (SUB) and TO-220 – (SUP & VN)	4
D ² PAK-5	4
TO-251	4
DPAK (TO-252)	5
TO-52	5
TO-92	5, 6
TO-92S	6

N-Channel (cont'd.)

PowerPAK™ SO-8	6
SO-8	6, 7, 8
TSSOP-8	8
TSOP-6	8
ChipFET™ 1206-8	8
SOT-23	9
SC-59	9
SC-70 (3 leads)	9
SC-70 (6 leads)	9
SC-75A	9
SC-89 (3 leads)	10
SC-89 (6 leads)	10

P-Channel

D ² PAK (TO-263) and TO-220	11
D ² PAK-5	11
DPAK (TO-252)	11
TO-92	11
TO-92S	11
PowerPAK™ SO-8	11
SO-8	11, 12
TSSOP-8	12, 13
PowerPAK™ 1212-8	13
TSOP-6	13
ChipFET™ 1206-8	13, 14
SOT-23	14
SC-70 (3 leads)	14
SC-70 (6 leads)	14
SC-75A	15
SC-89 (3 leads)	15
SC-89 (6 leads)	15

N- & P-Channel

SO-8	16
TSSOP-8	16
TSOP-6	17
ChipFET™ 1206-8	17
SC-70 (6 leads)	17
SC-89 (6 leads)	17

Alphanumeric Index	18
--------------------------	----



Power MOSFET Selector Guide

Vishay Siliconix

LITTLE FOOT Plus™ Schottky											
Name	Channel	Configuration	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.
PowerPAK™ SO-8											
Si7842DP	N	Dual Plus Integrated Schottky	30	0.022	0.030				10	13	3.5
SO-8											
Si4831DY	P	Single Plus Integrated Schottky	-30	0.05	0.09				5	10	2
Si4833DY	P	Single Plus Integrated Schottky	-30	0.085	0.18				3.5	8.7	2
Si4852DY	N	Single Plus Integrated Schottky	30	0.01	0.0175				11	24	2.5
Si4816DY	N	Dual Plus Integrated Schottky Gt-1	30	0.02	0.03				6.3	8	1.4
Si4816DY	N	Dual Plus Integrated Schottky Gt-2	30	0.01	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	0.02	0.03				6.3	8	1.4
Si4818DY	N	Dual Plus Integrated Schottky Gt-2	30	0.02	0.02				9.5	15	2.4
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
TSSOP-8											
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

*r_{DS(on)} @ 6.0 V



LITTLE FOOT Plus™ Schottky (cont'd.)											
Name	Channel	Configuration	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.
PowerPAK™ 1212-8											
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
TSOP-6											
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
ChipFET™ 1206-8											
Si5853DC	P	Single Plus Integrated Schottky	-20		0.11		0.16	0.24	3.6	4.4	2.1
Level-Shift Devices											
Name	Channel	Configuration	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.
SO-8											
Si4788CY	Dual P	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
TSOP-6											
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
SC-70 (6 Leads)											
Si1865DL	P	Level Shift	-8		0.215		0.3	0.44	1.2		0.4
Battery Switch Devices											
Name	Channel	Configuration	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.
SO-16											
Si4720CY	P	Battery Disconnect Switch	-30	0.02					6		2.5
Si4719CY	P	Battery Disconnect Switch	-30	0.04					6		2.4

*r_{DS(on)} @ 6.0 V



Power MOSFET Selector Guide

Vishay Siliconix

Battery Switch Devices (cont'd.)											
Name	Channel	Configuration	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.
TSOP-6											
Si3803DV	P	Battery Switch	-8		0.14		0.2	0.31	3	30	2
Si3801DV	P	Battery Switch	-12		0.22		0.4		2.3	23	2
PowerPAK™ 1212-8											
Si7900EDN	N	Battery Switch	20		0.026		0.031	0.039	9	12.5	3.2
TSSOP-8											
Si6965DQ	P	Battery Switch	-20		0.035		0.06		5	17.5	1.5
Si6968ADQ	N	Battery Switch	20		0.022		0.03		6.2	13.5	1.5
Si6968DQ	N	Battery Switch	20		0.022		0.03		6.5	16	1.5
Current Sense Devices											
Name	Configuration	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.	
D²PAK (TO-263)											
SUB50N03-20C	Current Sense N	30	0.015	0.02				50	35	83	
SO-8											
Si4730EY	Current Sense N	30	0.015	0.02				11.7	34	3.6	
TSSOP-8											
Si6862DQ	Current Sense N	20		0.026		0.036		6.6	25	1.8	
N-Channel Dual Asymmetrics											
Name	Configuration	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.	
SO-16											
Si4726CY	Dual N Ch-1	20	0.013					10		4	
Si4726CY	Dual N Ch-2	20	0.006					10		4	
Si4728CY	Dual N Ch-1	30	0.018					10		4	
Si4728CY	Dual N Ch-2	30	0.022	0.03				10		4	
SO-8											
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	

*r_{DS(on)} @ 6.0 V

Power MOSFET Selector Guide

Vishay Siliconix



N-Channel										
Name	Configuration	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.
D²PAK/TO-263 – (SUB) and TO-220 – (SUP & VN)										
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
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
SMB60N03-10L	Single N	30	0.01					60	100	125
SUB45N03-13L/SUP45N03-13L	Single N	30	0.013	0.02				45	45	88
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
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
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
SUB75N08-10/SUP75N08-10	Single N	75	0.01					75	85	187
VN88AFD	Single N	80	4.0	5.6				1.29		15
SUB85N10-10/SUP85N10-10	Single N	100	0.01	0.012				85	105	250
VN2406D	Single N	240	6.0			10.0		1.12		20
D²PAK-5										
SUB50N04-07T	Single N	40	0.0075					50	115	200
SUM60N04-12LT	Single N	40	0.009	0.012				60	51	110
SUB60N04-15LT	Single N	40	0.012	0.015				60	51	110
TO-251										
SUU50N03-07	Single N	30	0.007	0.01				25	60	88
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

*r_{DS(on)} @ 6.0 V



Power MOSFET Selector Guide

Vishay Siliconix

N-Channel (cont'd.)										
Name	Configuration	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.
DPAK (TO-252)										
SUD50N02-06	Single N	20		0.006		0.009		30	65	100
SUD40N02-08	Single N	20		0.0085		0.014		40	26	71
SUD50N03-07	Single N	30	0.007	0.01				20	70	83
SUD50N03-07AP	Single N	30	0.007	0.01				25	60	88
SUD50N03-10AP	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
TO-52										
VN10LE	Single N	60	5.0	7.5				0.38		1.5
TO-92										
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

*r_{DS(on)} @ 6.0 V

Power MOSFET Selector Guide

Vishay Siliconix



N-Channel (cont'd.)										
Name	Configuration	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.
TO-92 (cont'd.)										
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
TO-92S										
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
PowerPAK™ SO-8										
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	0.080					6.7	30	5.2
Si7450DP	Single N	200	0.080	0.090*				5.3	34	5.2
SO-8										
Si4838DY	Single N	12		0.003		0.004		25	40	3.5
Si4862DY	Single N	16		0.0033		0.0043		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
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
Si9926DY	Dual N	20		0.03		0.04		6	21	2
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

*r_{DS(on)} @ 6.0 V



Power MOSFET Selector Guide

Vishay Siliconix

N-Channel (cont'd.)										
Name	Configuration	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.
SO-8 (cont'd.)										
Si4442DY	Single N	30	0.0045	0.005		0.0075		22	36	3.5
Si4842DY	Single N	30	0.0045	0.006				23	25	3.5
Si4404DY	Single N	30	0.004	0.008				23	36	3.5
Si4430DY	Single N	30	0.004	0.008				23	36	3.5
Si4888DY	Single N	30	0.007	0.01				16	16.3	3.5
Si4872DY	Single N	30	0.01	0.01				15	27	3.1
Si4874DY	Single N	30	0.007	0.01				15	35	3.1
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
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
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

*r_{DS(on)} @ 6.0 V

Power MOSFET Selector Guide

Vishay Siliconix



N-Channel (cont'd.)										
Name	Configuration	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.
SO-8 (cont'd.)										
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
TSSOP-8										
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
Si6866DQ	Dual N	20		0.03		0.04		5.8	11	1.67
Si6966DQ	Dual N	20		0.03		0.04		4.5	13	1
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
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
TSOP-6										
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
ChipFET™ 1206-8										
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

*r_{DS(on)} @ 6.0 V



Power MOSFET Selector Guide

Vishay Siliconix

N-Channel (cont'd.)										
Name	Configuration	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.
SOT-23										
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
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
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
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
Si2326DS	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
SC-59										
VN10KC	Single N	60	5.0	7.5				0.31		0.6
SC-70 (3 Leads)										
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
SC-70 (6 Leads)										
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
Si1900DL	Dual N	30	0.48	0.7				0.64	0.86	0.30
SC-75A										
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

*r_{DS(on)} @ 6.0 V



N-Channel (cont'd.)										
Name	Configuration	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.
SC-89 (3 Leads)										
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
SC-89 (6 Leads)										
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

*r_{DS(on)} @ 6.0 V



Power MOSFET Selector Guide

Vishay Siliconix

P-Channel											
Name	Configuration	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.	
D²PAK (TO-263) and TO-220											
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	
D²PAK-5											
SUB50P05-13LT	Single P	-55	0.01	0.019				50	107	200	
DPAK (TO-252)											
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	
TO-92											
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	
TO-92S											
VP0300LS	Single P	-30	2.5					0.50		0.90	
PowerPAK™ SO-8											
Si7445DP	Single P	-20		0.0077			0.0094	0.0125	19	92	5.4
SO-8											
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

*r_{DS(on)} @ 6.0 V



P-Channel (cont'd.)										
Name	Configuration	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.
SO-8 (cont'd.)										
Si4463DY	Single P	-20		0.014		0.02		10	48	2.5
Si9424DY	Single P	-20		0.025		0.033		7.7	46	2.5
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
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
Si4825DY	Single P	-30	0.014	0.022				11.5	55	3
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
Si4927DY	Dual P	-30	0.028	0.045				7.4	38	2.5
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	0.012	0.015				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
TSSOP-8										
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
Si6875DQ	Dual P	-20		0.027		0.036	0.052	6.4	26	1.78
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
Si6953DQ	Dual P	-20	0.17	0.32				1.9	7	1

*r_{DS(on)} @ 6.0 V



Power MOSFET Selector Guide

Vishay Siliconix

P-Channel (cont'd.)										
Name	Configuration	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.
TSSOP-8 (cont'd.)										
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
PowerPAK™ 1212-8										
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
TSOP-6										
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
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
ChipFET™ 1206-8										
Si5445DC	Single P	-8		0.035		0.047	0.062	7.1	17	2.5
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

*r_{DS(on)} @ 6.0 V



P-Channel (cont'd.)										
Name	Configuration	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.
ChipFET™ 1206-8 (cont'd.)										
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
Si5433DC	Single P	-20		0.04		0.1	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
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
SOT-23										
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
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
TP0202K	Single P	-30	1.4	3.5				0.385	0.175	0.35
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
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
SC-70 (3 Leads)										
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
SC-70 (6 Leads)										
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

*r_{DS(on)} @ 6.0 V



Power MOSFET Selector Guide

Vishay Siliconix

P-Channel (cont'd.)										
Name	Configuration	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.
SC-75A										
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
SC-89 (3 Leads)										
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
SC-89 (6 Leads)										
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

*r_{DS(on)} @ 6.0 V



N- & P-Channel										
Name	Configuration	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.
SO-8										
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
TSSOP-8										
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
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

*r_{DS(on)} @ 6.0 V



Power MOSFET Selector Guide

Vishay Siliconix

N- & P-Channel (cont'd.)										
Name	Configuration	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.
TSOP-6										
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
ChipFET™ 1206-8										
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
SC-70 (6 Leads)										
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
SC-89 (6 Leads)										
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

*r_{DS(on)} @ 6.0 V

Power MOSFET Selector Guide

Vishay Siliconix



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.
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
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
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
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
Si1555DL	N	SC-70	20		0.385		0.63		0.7	0.8	0.3
Si1555DL	P	SC-70	-8		0.6		0.85	1.2	0.6	1.5	0.3

*r_{DS(on)} @ 6.0 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.
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	-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
Si2301DS	Single P	SOT-23	-20		0.13		0.19		2.3	5.8	1.25
Si2302DS	Single N	SOT-23	20		0.085		0.115		2.8	5.4	1.25
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
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
Si2320DS	Single N	SOT-23	200	7					0.28	1.1	1.25
Si2326DS	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
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

*r_{DS(on)} @ 6.0 V

Power MOSFET Selector Guide

Vishay Siliconix



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.
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
Si3801DQ	P	Battery Switch	TSOP-6	-12	0.22		0.4		2.3	23	2
Si3803DQ	P	Battery Switch	TSOP-6	-8	0.14		0.2	0.31	3	30	2
Si3812DV	N	Single Plus Integrated Schottky	TSOP-6	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
Si4401DY	Single P	SO-8	-40	0.015	0.022				10.5	37.5	3
Si4404DY	Single N	SO-8	30	0.004	0.008				23	36	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	0.01	0.0125				13.3	47	3
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
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
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
Si4480EY	Single N	SO-8	80	0.035	.04*				6.2	30	3
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
Si4500DY	N	SO-8	20		0.03		0.04		7	13	2.5

*r_{DS(on)} @ 6.0 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.
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
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
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
Si4719CY	P	Battery Disconnect Switch	SO-8	-30	0.04				6		2.4
Si4720CY	P	Battery Disconnect Switch	SO-8	-30	0.02				6		2.5
Si4726CY		Dual N Ch-1	SO-8	20	0.013				10		4
Si4726CY		Dual N Ch-2	SO-8	20	0.006				10		4
Si4728CY		Dual N Ch-1	SO-8	30	0.018				10		4
Si4728CY		Dual N Ch-2	SO-8	30	0.022	0.03			10		4
Si4730EY		Current Sense N	SO-8	30	0.015	0.02			11.7	34	3.6
Si4788CY	Dual P	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
Si4816DY	N	Dual Plus Integrated Schottky Gt-1	SO-8	30	0.02	0.03			6.3	8	1.4

*r_{DS(on)} @ 6.0 V

Power MOSFET Selector Guide

Vishay Siliconix



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.
Si4816DY	N	Dual Plus Integrated Schottky Gt-2	SO-8	30	0.01	0.018				10	15	2.4
Si4818DY	N	Dual Plus Integrated Schottky Gt-1	SO-8	30	0.02	0.03				6.3	8	1.4
Si4818DY	N	Dual Plus Integrated Schottky Gt-2	SO-8	30	0.02	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
Si4833DY	P	Single Plus Integrated Schottky	SO-8	-30	0.085	0.18				3.5	8.7	2
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
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
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
Si4872DY		Single N	SO-8	30	0.01	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

*r_{DS(on)} @ 6.0 V



Power MOSFET Selector Guide

Vishay Siliconix

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.
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	Dual P	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
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
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
Si5433DC	Single P	ChipFET™ 1206-8	-20		0.04		0.1	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		0.061	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

*r_{DS(on)} @ 6.0 V

Power MOSFET Selector Guide

Vishay Siliconix



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.
Si5905DC	Dual P	ChipFET™ 1206-8	-8		0.09		0.13	0.18	4.1	5.5	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
Si6433DQ	Single P	TSSOP-8	-12		0.06		0.09		4	20	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
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
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
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	Dual N	TSSOP-8	20		0.03		0.04		5.8	11	1.67
Si6875DQ	Dual P	TSSOP-8	-20		0.027		0.036	0.052	6.4	26	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

*r_{DS(on)} @ 6.0 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.
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
Si6963DQ		Dual P	TSSOP-8	-20		0.05		0.085		3.2	14.5	1
Si6965DQ	P	Battery Switch	TSSOP-8	-20		0.035		0.06		5	17.5	1.5
Si6966DQ		Dual N	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	Battery Switch	TSSOP-8	20		0.022		0.03		6.2	13.5	1.5
Si6968DQ	N	Battery Switch	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
Si7405DN		Single P	PowerPAK™ 1212-8	-12		0.016		0.022	0.028	13	35	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
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
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
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	0.080					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
Si7852DP		Single N	PowerPAK™ SO-8	80	0.0165	0.022*				12.5	34	5.2
Si7900EDN	N	Batter Switch	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
Si9400DY		Single P	SO-8	-20	0.25	0.4				2.5	5.4	2.5
Si9407AEY		Single P	SO-8	-60	0.012	0.015				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

*r_{DS(on)} @ 6.0 V

Power MOSFET Selector Guide

Vishay Siliconix



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.
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
Si9926DY	Dual N	SO-8	20		0.03		0.04		6	21	2
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
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
SMB60N03-10L	Single N	D2PAK	30	0.01					60	100	125
SUB15P01-52 SUP15P01-52	Single P	D2PAK TO-220	-8		0.052		0.07	0.105	15	6.5	25
SUB40N06-25L SUP40N06-25L	Single N	D2PAK TO-220	60	0.022	0.025				40	40	90
SUB45N03-13L SUP45N03-13L	Single N	D2PAK TO-220	30	0.013	0.02				45	45	88
SUB45N05-20L SUP45N05-20L	Single N	D2PAK TO-220	50	0.018	0.02				45	43	93
SUB50N03-20C	Current Sense N	D2PAK	30	0.015	0.02				50	35	83
SUB50N04-07T	Single N	D2PAK-5 TO-220	40	0.0075					50	115	200
SUB50P05-13LT	Single P	D2PAK-5	-55	0.01	0.019				50	107	200
SUB60N04-15LT	Single N	D2PAK-5	40	0.012	0.015				60	51	110
SUB60N06-18 SUP60N06-18	Single N	D2PAK TO-220	60	0.018					60	39	120
SUB65P04-15 SUP65P04-15	Single P	D2PAK TO-220	-40	0.015	0.023				65	85	120
SUB65P06-20 SUP65P06-20	Single P	D2PAK TO-220	-60	0.02					65	85	187
SUB70N03-09BP SUP70N03-09BP	Single N	D2PAK TO-220	30	0.009	0.013				70	15.5	93
SUB70N03-09P SUP70N03-09P	Single N	D2PAK TO-220	30	0.009	0.015				70	45	93
SUB70N04-10 SUP70N04-10	Single N	D2PAK TO-220	40	0.01	0.014				70	50	107
SUB70N06-14 SUP70N06-14	Single N	D2PAK TO-220	60	0.014					70	45	142
SUB15P01-52 SUP15P01-52	Single P	D2PAK TO-220	-8		0.052		0.07	0.105	15	6.5	25

*r_{DS(on)} @ 6.0 V

www.vishay.com



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.
SUB40N06-25 SUP40N06-25L	Single N	D2PAK TO-220	60	0.022	0.025				40	40	90
SUB45N03-13L SUP45N03-13L	Single N	D2PAK TO-220	30	0.013	0.02				45	45	88
SUB45N05-20L SUP45N05-20L	Single N	D2PAK TO-220	50	0.018	0.02				45	43	93
SUB50N03-20C	Current Sense N	D2PAK	30	0.015	0.02				50	35	83
SUB75N03-04 SUP75N03-04	Single N	D2PAK TO-220	30	0.004					75	200	187
SUB75N03-07 SUP75N03-07	Single N	D2PAK TO-220	30	0.007	0.01				75	70	120
SUB75N04-05L SUP75N04-05L	Single N	D2PAK TO-220	40	0.005	0.006				75	130	187
SUB75N05-06 SUP75N05-06	Single N	D2PAK TO-220	50	0.006					75	85	187
SUB75N06-07L SUP75N06-07L	Single N	D2PAK TO-220	60	0.007	0.008				75	75	187
SUB75N06-08 SUP75N06-08	Single N	D2PAK TO-220	60	0.008					75	85	187
SUB75N06-12L SUP75N06-12L	Single N	D2PAK TO-220	60	0.012	0.014				75	59	142
SUB75N08-09L SUP75N08-09L	Single N	D2PAK TO-220	75	0.009	0.011				75	121	250
SUB75N08-10 SUP75N08-10	Single N	D2PAK TO-220	75	0.01					75	85	187
SUB75P03-07 SUP75P03-07	Single P	D2PAK TO-220	-30	0.007	0.01				75	160	187
SUB75P03-08 SUP75P03-08	Single P	D2PAK TO-220	-30	0.008					75	115	187
SUB75P05-08 SUP75P05-08	Single P	D2PAK TO-220	-55	0.008					75	140	250
SUB85N02-03 SUP85N02-03	Single N	D2PAK TO-220	20		0.003		0.0034		85	140	250
SUB85N02-06 SUP85N02-06	Single N	D2PAK TO-220	20		0.006		0.009		85	65	120
SUB85N03-04P SUP85N03-04P	Single N	D2PAK TO-220	30		0.007				85	71	166
SUB85N03-07P SUP85N03-07P	Single N	D2PAK TO-220	30	0.007	0.01				85	60	107
SUB85N04-03 SUP85N04-03	Single N	D2PAK TO-220	40	0.003	0.005				85	165	250
SUB85N04-04 SUP85N04-04	Single N	D2PAK TO-220	40	0.004					85	160	250
SUB85N06-05 SUP85N06-05	Single N	D2PAK TO-220	60	0.005	0.007				85	155	250
SUB85N08-08 SUP85N08-08	Single N	D2PAK TO-220	75	0.008					85	100	250
SUB85N10-10 SUP85N10-10	Single N	D2PAK 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
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
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

*r_{DS(on)} @ 6.0 V

Power MOSFET Selector Guide

Vishay Siliconix



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.
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
SUD50N03-07	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
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
SUD50N03-10P	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
SUM60N04-12LT	Single N	D ² PAK-5	40	0.009	0.012				60	51	110
SUU06N10-225L	Single N	TO-251	100	0.2	0.225				6.5	2.7	20
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
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
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
VN10KC	Single N	SC-59	60	5.0	7.5				0.31		0.6
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

*r_{DS(on)} @ 6.0 V

www.vishay.com



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.
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

*r_{DS(on)} @ 6.0 V