

## SiliconGear® Power MOSFETs Selection Guide

Part Number	Major Applications	Package	Polarity	Configuration	ESD (Y/N)	V <sub>BRIDSS</sub> (V)	V <sub>GS</sub> (V)	I <sub>D</sub> (A) @ T <sub>C</sub> =		I <sub>DM</sub> (A)	V <sub>GS(TH)</sub> (V)			R <sub>DS(ON)</sub> (typ. mΩ) @ V <sub>GS</sub> =				C <sub>iss</sub> (pF)	C <sub>oss</sub> (pF)	Cr <sub>ss</sub> (pF)	V <sub>GS</sub> =4.5(10)V			Status
								25°C	70°C		Min.	Typ.	Max.	10V	4.5V	2.5V	1.8V				Q <sub>g</sub> (nC)	Q <sub>gs</sub> (nC)	Q <sub>gd</sub> (nC)	
								SGP2045N	Computing, Power Supplies, Network, Portable, Consumer		SOT-23	P	Single	No	-20	±12	-3.4 (T <sub>A</sub> )				-2.7 (T <sub>A</sub> )	-13.6	-0.5	
SGN2028N	Computing, Power Supplies, Network, Portable, Consumer	SOT-23	N	Single	No	20	±12	4.5 (T <sub>A</sub> )	3.6 (T <sub>A</sub> )	18	0.5	0.7	1.2	-	28	35	-	616	68	61	8.4	1.34	2.25	Mass Production
SGN2038N	Computing, Power Supplies, Network, Portable, Consumer	SOT-23	N	Single	No	20	±8	3.7 (T <sub>A</sub> )	3 (T <sub>A</sub> )	14.8	0.5	0.7	1.2	-	38	44	53	370	40	32	6	0.35	1.52	Mass Production
SGN2038V	Computing, Power Supplies, Network, Portable, Consumer	SOT-23S	N	Single	No	20	±8	4 (T <sub>A</sub> )	3.2 (T <sub>A</sub> )	12	0.5	0.7	1.2	-	38	44	53	370	40	32	6	0.4	1.5	Mass Production
SG20P01N	Computing, Power Supplies, Network, Portable, Consumer	SOT-23	P	Single	No	-20	±12	-3.7 (T <sub>A</sub> )	-3 (T <sub>A</sub> )	-14	-0.5	-0.8	-1.2	-	42	52	-	1050	125	102	13	2	3.5	Mass Production
SG2422C	Battery Protection, Consumer, Portable, PWM Applications	SOT-23-6	N	Dual	No	20	±8	5 (T <sub>A</sub> )	-	17	0.4	0.7	1	-	20	25	-	650	110	100	8	1	3	Mass Production
SG2422W	Battery Protection, Consumer, Portable, PWM Applications	TSSOP-8	N	Dual	No	20	±8	6 (T <sub>A</sub> )	4.9 (T <sub>A</sub> )	20	0.4	0.7	1	-	20	25	-	650	110	100	8	1	3	Mass Production
SG2422EA	Battery Protection, Consumer, Portable, PWM Applications	RS-PAK 33	N	Dual	No	20	±8	6.5 (T <sub>A</sub> )	5.2 (T <sub>A</sub> )	25	0.4	0.7	1	-	20	25	-	650	110	100	8	1	3	Mass Production
SG2415W	Battery Protection, Consumer, Portable, PWM Applications	TSSOP-8	N	Dual	Yes	20	±8	7 (T <sub>A</sub> )	5.7 (T <sub>A</sub> )	30	0.4	0.7	1	-	15	19	22	1190	212	188	11	4.5	3	Mass Production
SG2422KC	Battery Protection, Consumer, Portable, PWM Applications	SOT-23-6	N	Dual	Yes	20	±8	5 (T <sub>A</sub> )	-	17	0.4	0.7	1	-	20	25	-	650	110	100	8	1	3	Mass Production
SG2422KW	Battery Protection, Consumer, Portable, PWM Applications	TSSOP-8	N	Dual	Yes	20	±8	6.5 (T <sub>A</sub> )	5.2 (T <sub>A</sub> )	25	0.4	0.7	1	-	20	25	-	650	110	100	8	1	3	Mass Production
SG2422KEA	Battery Protection, Consumer, Portable, PWM Applications	RS-PAK 33	N	Dual	Yes	20	±8	6.5 (T <sub>A</sub> )	5.2 (T <sub>A</sub> )	25	0.4	0.7	1	-	20	25	-	650	110	100	8	1	3	Mass Production
SG2411TF	Battery Protection, Consumer, Portable, PWM Applications	TDFN-6 (2x3)	N	Dual	Yes	20	±8	8.6 (T <sub>A</sub> )	6.9 (T <sub>A</sub> )	45	0.4	0.7	1	-	11	13	-	1190	212	188	11	4.5	3	Mass Production
SG2411TG	Battery Protection, Consumer, Portable, PWM Applications	TDFN-8 (2.9x2.8)	N	Dual	Yes	20	±8	10.5 (T <sub>A</sub> )	8.4 (T <sub>A</sub> )	63	0.4	0.7	1	-	11	13	-	1190	212	188	11	4.5	3	Mass Production
SG20N01D	Computing, Power Supplies, Network, Consumer, Motor Control	TO-252	N	Single	No	20	±20	63	50	180	0.5	0.8	1.2	3.8	4.9	-	-	877	283	148	8.4	3.1	4.7	Mass Production
SG20N01Q	Computing, Power Supplies, Network, Consumer, Motor Control	RS-PAK 5060	N	Single	No	20	±20	40	40	100	0.5	0.8	1.2	3.6	4.7	-	-	877	283	148	8.4	3.1	4.7	Mass Production
SG20N04Q	Computing, Power Supplies, Network, Consumer, Motor Control	RS-PAK 5060	N	Single	No	20	±20	100	100	410	1.35	1.8	2.35	0.6	0.9	-	-	7622	1439	624	52	12.6	16.8	Q3.2013

<b>SG25N01Q</b>	Computing, Power Supplies, Consumer, Battery Protection	RS-PAK 5060	N	Single	No	20	±20	130	130	500	1.2	-	2.5	1	1.5	-	-	4222	889	398	82	24	5	Mass Production
<b>SG3149C</b>	Computing, Network, Motor Control	SOT-23-6	N+P	Complementary	No	20/-20	±12	3.7/-2.6 (T <sub>A</sub> )	2.9/-2.1 (T <sub>A</sub> )	13/-9	0.4/-0.4	-	1/-1	-	41/83	51/104	-	375/435	70/82	50/61	4.6/5.2	0.7/1.2	1/1.2	Mass Production
<b>SGP3052N</b>	Computing, Network, Motor Control Display, Consumer, Industrial	SOT-23	P	Single	No	-30	±12	-4 (T <sub>A</sub> )	-3.3 (T <sub>A</sub> )	-12.4	-0.5	-0.7	-1.2	46	53	67	-	810	143	120	9	2.1	3.8	Mass Production
<b>SGP3043N</b>	Computing, Network, Motor Control Display, Consumer, Industrial	SOT-23	P	Single	No	-30	±20	-4.2 (T <sub>A</sub> )	-3.5 (T <sub>A</sub> )	-14	-1	-1.5	-2.5	42	58	-	-	626	264	101	6.2	2.6	3	Mass Production
<b>SGP3036S</b>	Computing, Network, Motor Control Display, Consumer, Industrial	SOP-8	P	Single	No	-30	±20	-6.1	-4.9	13	-1	-1.5	-2.5	32	51	-	-	626	264	101	6.2	2.6	3	Mass Production
<b>SGP3236S</b>	Computing, Network, Motor Control Display, Consumer, Industrial	SOP-8	P	Dual	No	-30	±20	-6.1	-4.9	13	-1	-1.5	-2.5	32	51	-	-	626	264	101	6.2	2.6	3	Mass Production
<b>SGP3011S</b>	Computing, Power Supplies, Network, Consumer, Motor Control	SOP-8	P	Single	No	-30	±20	-15	-12	-31	-1	-1.5	-2.5	11	20	-	-	2129	298	227	21.5	8.5	7	Mass Production
<b>SGP3011I</b>	Computing, Power Supplies, Network, Consumer, Motor Control	TO-251	P	Single	No	-30	±20	-47	-38	-155	-1	-1.5	-2.5	11	20	-	-	2129	298	227	21.5	8.5	7	Mass Production
<b>SGP3011D</b>	Computing, Power Supplies, Network, Consumer, Motor Control	TO-252	P	Single	No	-30	±20	-47	-38	-155	-1	-1.5	-2.5	11	20	-	-	2129	298	227	21.5	8.5	7	Mass Production
<b>SGN3025N</b>	Computing, Network, Motor Control Display, Consumer, Industrial	SOT-23	N	Single	No	30	±12	4.5 (T <sub>A</sub> )	3.6 (T <sub>A</sub> )	18	0.5	0.7	1.2	25	31	38	-	636	50	43	8.2	1.3	1.9	Mass Production
<b>SGN3009S</b>	Computing, Power Supplies, Network, Consumer, Motor Control	SOP-8	N	Single	No	30	±20	16.3	13	47	1.2	1.5	2.5	7.3	10.8	-	-	1278	158	127	12.3	4.1	5	Mass Production
<b>SGN3009I</b>	Computing, Power Supplies, Network, Consumer, Motor Control	TO-251	N	Single	No	30	±20	56.3	45	112	1.2	1.5	2.5	7.3	10.8	-	-	1278	158	127	12.3	4.1	5	Mass Production
<b>SGN3009D</b>	Computing, Power Supplies, Network, Consumer, Motor Control	TO-252	N	Single	No	30	±20	56.3	45	112	1.2	1.5	2.5	7.3	10.8	-	-	1278	158	127	12.3	4.1	5	Mass Production
<b>SG4953LS</b>	Computing, Network, Motor Control LED Display, Consumer, Industrial	SOP-8	P	Dual	No	-30	±20	-4	-3.1	-16	-1	-	-2.5	65	85	-	-	760	325	135	7.5	3.2	3.5	Mass Production
<b>SG4953S</b>	Computing, Network, Motor Control LED Display, Consumer, Industrial	SOP-8	P	Dual	No	-30	±20	-5	-3.9	-20	-1	-	-3	45	66	-	-	680	290	120	6.5	2.8	3	Mass Production
<b>SGD3225S</b>	DC-FAN, Industrial MotorLoad Control	SOP-8	N+P	Complementary	No	30/-30	±20	9/-6 (T <sub>A</sub> )	7.2/-4.8 (T <sub>A</sub> )	30/-20	1/-1	1.5/-1.5	2.5/-2.5	14/32	21/50	25/57 (4V)	-	470/625	70/275	62/100	7/6.5	1/2.8	1.5/3	Mass Production
<b>SGD3225H</b>	DC-FAN, Industrial MotorLoad Control	TO-252-4	N+P	Complementary	No	30/-30	±20	10.5/-7 (T <sub>A</sub> )	8.4/-5.6 (T <sub>A</sub> )	40/-28	1/-1	-	3/-3	14/32	21/50	25/57 (4V)	-	470/625	70/275	62/100	7/6.5	1/2.8	1.5/3	Mass Production
<b>SGQ3425S</b>	DC-FAN, Industrial MotorLoad Control	SOP-8	2N+2P	Complementary	No	30/-30	±20	6/-4 (T <sub>A</sub> )	4.8/-3.3 (T <sub>A</sub> )	24/-16	1/-1	1.5/-1.5	2.5/-2.5	18/40	27/60	-	-	470/625	70/275	62/100	8/7	1/3	2/3.2	Mass Production
<b>SG30P02N</b>	Computing, Power Supplies, Network, Consumer, Motor Control	SOT-23	P	Single	No	-30	±20	-3.3 (T <sub>A</sub> )	-2.6 (T <sub>A</sub> )	-13.2	-1	-1.5	-2.5	60	90	-	-	325	142	73	6.1	1.15	1.5	Mass Production
<b>SG30N02D</b>	Computing, Power Supplies, Network, Consumer, Motor Control	TO-252	N	Single	No	30	±20	162.2	129.7	330	1.2	-	2.5	1.7	2.6	-	-	5910	725	537	53.8	17.3	20.2	Mass Production

SG30N02Q	Computing, Power Supplies, Network, Consumer, Motor Control	RS-PAK 5060	N	Single	No	30	±20	162.2	129.7	330	1.2	-	2.5	1.7	2.6	-	-	5910	725	537	53.8	17.3	20.2	Mass Production
SG30N03I	Computing, Power Supplies, Network, Consumer, Motor Control	TO-251	N	Single	No	30	±20	90	72	200	1.2	-	2.5	3.1	4.5	-	-	2504	369	211	35	8	15	Mass Production
SG30N03D	Computing, Power Supplies, Network, Consumer, Motor Control	TO-252	N	Single	No	30	±20	90	72	200	1.2	-	2.5	3.1	4.5	-	-	2504	369	211	35	8	15	Mass Production
SG30N03Q	Computing, Power Supplies, Network, Motor Control	RS-PAK 5060	N	Single	No	30	±20	40	40	70	1.2	-	2.5	3.1	4.5	-	-	2504	369	211	35	8	15	Mass Production
SG30N03P	Computing, Power Supplies, Network, Motor Control	TO-220(AB)	N	Single	No	30	±20	124	99	240	1.2	-	2.5	3.1	4.5	-	-	2504	369	211	35	8	15	Mass Production
SG30N04I	Computing, Power Supplies, Network, Consumer, Motor Control	TO-251	N	Single	No	30	±20	60	51	210	1.3	-	2.5	4.7	6.7	-	-	1180	240	130	13	5	5.5	Mass Production
SG30N04D	Computing, Power Supplies, Network, Consumer, Motor Control	TO-252	N	Single	No	30	±20	60	51	210	1.3	-	2.5	4.7	6.7	-	-	1180	240	130	13	5	5.5	Mass Production
SG30N04E	Computing, Power Supplies, Network, Consumer	RS-PAK 3030	N	Single	No	30	±20	35	35	70	1.3	-	2.5	4.7	6.7	-	-	1180	240	130	13	5	5.5	Mass Production
SG30N04Q	Computing, Power Supplies, Network, Consumer	RS-PAK 5060	N	Single	No	30	±20	40	40	60	1.3	-	2.5	4.7	6.7	-	-	1180	240	130	13	5	5.5	Mass Production
SG30N04S	Computing, Power Supplies, Network, Consumer	SOP-8	N	Single	No	30	±20	25	20	80	1.3	-	2.5	5	7	-	-	1180	240	130	13	5	5.5	Mass Production
SG30N05I	Computing, Power Supplies, Network, Consumer	TO-251	N	Single	No	30	±20	40	33.6	120	1.2	-	2.5	9	13	-	-	580	95	60	8	3	4.5	Mass Production
SG30N05D	Computing, Power Supplies, Network, Consumer	TO-252	N	Single	No	30	±20	40	33.6	120	1.2	-	2.5	9	13	-	-	580	95	60	8	3	4.5	Mass Production
SG30N05E	Computing, Power Supplies, Network, Consumer	RS-PAK 3030	N	Single	No	30	±20	14	14	35	1.2	-	2.5	9	13	-	-	415	90	38	3.6	1.2	1	Mass Production
SG30N05S	Computing, Power Supplies, Network, Consumer	SOP-8	N	Single	No	30	±20	15	12	50	1.2	-	2.5	9	13	-	-	415	90	38	3.6	1.2	1	Mass Production
SG30N06I	Computing, Power Supply, Network, Consumer, Motor Control	TO-251	N	Single	No	30	±20	60	48	140	1.15	-	2.2	3.5	4.7	-	-	1750	360	150	12	6	5	Mass Production
SG30N06D	Computing, Power Supply, Network, Consumer, Motor Control	TO-252	N	Single	No	30	±20	60	48	140	1.15	-	2.2	3.5	4.7	-	-	1750	360	150	12	6	5	Mass Production
SG30N06E	Computing, Power Supplies, Consumer, Battery Protection	RS-PAK 3030	N	Single	No	30	±20	40	40	100	1.15	-	2.2	3.4	4.7	-	-	1750	360	150	12	6	5	Mass Production
SG30N06Q	Computing, Power Supplies, Consumer, Battery Protection	RS-PAK 5060	N	Single	No	30	±20	40	40	100	1.15	-	2.2	3.3	4.6	-	-	1750	360	150	12	6	5	Mass Production
SG30N07D	Computing, Power Supplies, Consumer, Battery Protection	TO-252	N	Single	No	30	±20	130	130	500	1.2	-	2.5	1.5	2.3	-	-	4222	889	398	82	24	5	Mass Production
SG30N07Q	Computing, Power Supplies, Consumer, Battery Protection	RS-PAK 5060	N	Single	No	30	±20	130	130	500	1.2	-	2.5	1.5	2.3	-	-	4222	889	398	82	24	5	Mass Production

SG30N07P	Computing, Power Supplies, Consumer, Battery Protection	TO-220(AB)	N	Single	No	30	±20	310	248	950	1.2	-	2.5	1.5	2.4	-	-	4222	889	398	82.8	24.2	5.1	Mass Production
SG30N08Q	Computing, Power Supplies, Consumer, Battery Protection	RS-PAK 5060	N	Single	No	30	±20	100	100	410	1.35	1.8	2.35	1	1.6	-	-	7058	1333	578	49	11.7	15.6	Q3,2013
SG40N01Q	Computing, Power Supplies, Consumer, Battery Protection	RS-PAK 5060	N	Single	No	40	±20	140	140	550	2	3	4	2.4	3.4	-	-	4222	889	398	82	24	5	Mass Production
SG40N01P	Computing, Power Supplies, Consumer, Battery Protection	TO-220(AB)	N	Single	No	40	±20	210	170	630	2	3	4	2.4	3.4	-	-	4222	889	398	82.8	24.2	5.1	Mass Production
SG40N02Q	Computing, Power Supplies, Consumer, Battery Protection	RS-PAK 5060	N	Single	No	40	±20	100	100	410	2	-	4	1.9	-	-	-	4401	951	451	71.5	14.7	26.4	Q3,2013
SG55N02P	Power Tool, Motor Control, Power Supplies, Automotive, Industrial	TO-220(AB)	N	Single	No	55	±20	124	99	300	2	3	4	4.1	-	-	-	3923	435	150	92	34	20	Mass Production
SG55N03P	Power Tool, Motor Control, Power Supplies, Automotive, Industrial	TO-220(AB)	N	Single	No	55	±20	112	94	300	1	1.6	2.2	4.3	-	-	-	4842	312	111	91.5	34	19.9	Mass Production
SG55N04N	Power Tool, Motor Control, Power Supplies, Automotive, Industrial	SOT-23	N	Single	No	55	±12	3.1	2.5	13	0.6	-	1.5	63	78	87	-	553	45	13	8.1	1.8	2.4	Mass Production
SG2N7002KV	Computing, Power Supplies, Network, Portable, Consumer	SOT-23S	N	Single	Yes	60	±20	0.58 (T <sub>A</sub> )	0.4 (T <sub>A</sub> )	1.2	1.3	1.9	2.5	900	1600	-	-	40	8	4	-	-	-	Mass Production
SG60P01P	Power Tool, Motor Control, Power Supplies, Automotive, Industrial	TO-220(AB)	P	Single	No	-60	±20	-60	-48	-200	-2	-3	-4	16.5	-	-	-	3250	450	186	80	20	17	Mass Production
SG60N01P	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	TO-220(AB)	N	Single	No	60	±25	93	74	360	2	3	4	6	-	-	-	2968	486	215	62.2	15.2	21.5	Mass Production
SG60P02D	Power Tool, Motor Control, Power Supplies, Automotive, Industrial	TO-252	P	Single	No	-60	±20	-30	-24	-110	-2	-3	-4	58	-	-	-	1618	163	46	27.7	7.3	7.5	Mass Production
SG60N02D	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	TO-252	N	Single	No	60	±20	80	64.8	180	2	3	4	5.5	-	-	-	4871	243	124	118	28	45	Mass Production
SG60N02P	Power Tool, Motor Control, Power Supplies, Automotive, Industrial	TO-220(AB)	N	Single	No	60	±20	100	78	250	2	3	4	5.7	-	-	-	4871	243	124	118	28	45	Mass Production
SG60N02Q	Power Tool, Motor Control, Power Supplies, Automotive, Industrial	RS-PAK 5060	N	Single	No	60	±20	70	60	240	2	3	4	4.8	-	-	-	4871	243	124	118	28	45	Mass Production
SG60N03D	Power Tool, Motor Control, Power Supplies, Automotive, Industrial	TO-252	N	Single	No	60	±25	96	76	170	2	3	4	5	-	-	-	3686	357	124	50	15	2.5	Mass Production
SG60N03Q	Power Tool, Motor Control, Power Supplies, Automotive, Industrial	RS-PAK 5060	N	Single	No	60	±25	92	72	250	2	3	4	4.2	-	-	-	3686	357	124	50	15	2.5	Mass Production
SG60N03P	Power Tool, Motor Control, Power Supplies, Automotive, Industrial	TO-220(AB)	N	Single	No	60	±25	112	90	448	2	3	4	4.4	-	-	-	3686	357	124	50	15	2.5	Mass Production
SG60N03G	Power Tool, Motor Control, Power Supplies, Automotive, Industrial	TO-263	N	Single	No	60	±20	136	109	544	2	3	4	4.4	-	-	-	3686	357	124	50	15	2.5	Mass Production
SG60N04P	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	TO-220(AB)	N	Single	No	60	±20	200	160	600	2	3	4	2.5	-	-	-	8699	818	304	190	42	45	Mass Production

SG60N04G	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	TO-263	N	Single	No	60	±20	200	160	600	2	3	4	2.5	-	-	-	8699	818	304	190	42	45	Mass Production
SG60N05Q	Power Tool, Motor Control, Power Supplies, Automotive, Industrial	RS-PAK 5060	N	Single	No	60	±20	100	100	410	2	-	4	3.1	-	-	-	4093	539	250	67.6	11.7	19.6	Q3,2013
SG60N07P	Power Tool, Motor Control, Power Supplies, Automotive, Industrial	TO-220(AB)	N	Single	No	60	±20	125	100	600	2	3	4	3.3	-	-	-	3923	435	150	92	34	20	Mass Production
SG60N08N	Power Tool, Motor Control, Power Supplies, Automotive, Industrial	SOT-23	N	Single	No	60	±20	4.9	3.9	19	1	-	3	43	58	-	-	492	63	19	8.1	3.3	4.1	Mass Production
SG65N01P	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	TO-220(AB)	N	Single	No	65	±20	83	70	250	2	3	4	6.3	-	-	-	4842	265	125	118	28	45	Mass Production
SG65N02Q	Power Tool, Motor Control, Power Supplies, Automotive, Industrial	RS-PAK 5060	N	Single	No	65	±20	75	60	210	2	3	4	5.5	-	-	-	4753	254	135	125	35	48	Mass Production
SG65N02P	Power Tool, Motor Control, Power Supplies, Automotive, Industrial	TO-220(AB)	N	Single	No	65	±20	88	73.7	270	2	3	4	5.5	-	-	-	4753	254	135	125	35	48	Mass Production
SG65N03D	Power Tool, Motor Control, Power Supplies, Automotive, Industrial	TO-252	N	Single	No	65	±20	57	46	228	2	3	4	13	-	-	-	1325	110	64	34	6	9	Mass Production
SG75N01P	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	TO-220(AB)	N	Single	No	75	±25	83	66	320	2	3	4	7.5	-	-	-	2867	344	182	59.4	12.8	17.5	Mass Production
SG75N03P	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	TO-220(AB)	N	Single	No	75	±20	80	60	320	2	3	4	6	-	-	-	4842	312	111	91.5	34	19.9	Mass Production
SG75N04D	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	TO-252	N	Single	No	75	±20	59	47.6	250	2	3	4	7	-	-	-	4747	242	103	81	23	24	Mass Production
SG75N04P	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	TO-220(AB)	N	Single	No	75	±20	80	64	250	2	3	4	7	-	-	-	4747	242	103	81	23	24	Mass Production
SG75N04G	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	TO-263	N	Single	No	75	±20	83	66.4	250	2	3	4	7	-	-	-	4747	242	103	81	23	24	Mass Production
SG75N05P	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	TO-220(AB)	N	Single	No	75	±20	180	150	500	2	3	4	3.4	-	-	-	8837	652	231	160	35	40	Mass Production
SG75N05G	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	TO-263	N	Single	No	75	±20	180	150	500	2	3	4	3.4	-	-	-	8837	652	231	160	35	40	Mass Production
SG75N07D	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	TO-252	N	Single	No	75	±20	59	47.6	250	2	3	4	6.8	-	-	-	4936	251	107	84	24	25	Mass Production
SG75N07Q	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	RS-PAK 5060	N	Single	No	75	±25	80	64	300	2	3	4	7	-	-	-	4936	251	107	84	24	25	Mass Production
SG75N07P	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	TO-220(AB)	N	Single	No	75	±25	80	64	300	2	3	4	6.8	-	-	-	4936	251	107	84	24	25	Mass Production
SG75N07G	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	TO-263	N	Single	No	75	±25	83	66.4	300	2	3	4	6.8	-	-	-	4936	251	107	84	24	25	Mass Production
SG75N08Q	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	RS-PAK 5060	N	Single	No	75	±20	100	90	410	2	-	4	4.9	-	-	-	4205	500	205	63.7	10.7	19.6	Q3,2013

SG100P01D	Power Tool, Motor Control, Power Supplies, Automotive, Industrial	TO-252	P	Single	No	-100	±20	-15	-12.1	-50	-2	-3	-4	93	-	-	-	1618	163	46	27.7	7.3	7.5	Mass Production
SG100P01P	Power Tool, Motor Control, Power Supplies, Automotive, Industrial	TO-220(AB)	P	Single	No	-100	±20	-26	-21	-78	-2	-3	-4	93	-	-	-	1618	163	46	27.7	7.3	7.5	Mass Production
SG100N01P	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	TO-220(AB)	N	Single	No	100	±25	65	52	260	2	2.7	4	13	-	-	-	2920	261	162	57	12	17.5	Mass Production
SGD100N03S	Fan Motor, Power Supplies, Industrial Power, Telecom	SOP-8	N	Dual	No	100	±20	11	9	38	1.2	1.8	2.5	24	26	-	-	1325	110	64	34	6	9	Mass Production
SG100N03D	LED Backlighting, Power Supplies, Industrial Power, Telecom	TO-252	N	Single	No	100	±20	42	34	150	1.2	1.8	2.5	20	22	-	-	1325	110	64	34	6	9	Mass Production
SG100N04D	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	TO-252	N	Single	No	100	±20	68	59	200	2	3	4	10	-	-	-	3902	251	93	145	25	43	Mass Production
SG100N04P	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	TO-220(AB)	N	Single	No	100	±20	75	60	210	2	3	4	10	-	-	-	3902	251	93	145	25	43	Mass Production
SG100N04Q	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	RS-PAK 5060	N	Single	No	100	±20	58	58	150	2	3	4	10	-	-	-	3902	251	93	145	25	43	Mass Production
SG100N05P	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	TO-220(AB)	N	Single	No	100	±20	160	135	620	2	3	4	4.5	-	-	-	8931	595	239	160	35	40	Mass Production
SG100N05G	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	TO-263	N	Single	No	100	±20	160	135	620	2	3	4	4.5	-	-	-	8931	595	239	160	35	40	Mass Production
SG100N06P	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	TO-220(AB)	N	Single	No	100	±25	81	65	320	2	3	4	9	-	-	-	4136	263	75	154	43	45	Mass Production
SG100N07Q	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	RS-PAK 5060	N	Single	No	100	±20	100	60	400	2	-	4	7.3	-	-	-	4254	416	158	65.6	11.7	17.6	Q3,2013
SGD100C01H	DC-FAN, Industrial Motor/Load Control	TO-252-4	N+P	Complementary	No	100/-100	±20	3/-2.5	2.1/-1.8	12/-10	1/-1	1.5/-1.5	3/-3	120/200	165/270 (5V)	-	-	470/1066	62/365	55/55	18.8/31	3.8/6.3	4.5/4.5	Mass Production
SG150N01D	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	TO-252	N	Single	No	150	±30	20	16	80	2	3	4	62	-	-	-	980	127	58	20.9	4.4	6.5	Mass Production
SG150N01P	Power Tool, Motor Control, E-Bike Power Supplies, Automotive, Industrial	TO-220(AB)	N	Single	No	150	±20	22	18	88	2	3	4	62	-	-	-	980	127	58	20.9	4.4	6.5	Mass Production
SG150N03D	DC-DC Converters, Motor control, Disconnect switches	TO-252	N	Single	No	150	±20	14.5	11.5	40	2	3	4	42	-	-	-	1180	110	36	19	7	3	Mass Production
SG150N04N	Small Motor Control, Gate drivers, Solid-State Relays	SOT-23	N	Single	Yes	150	±20	0.3 (T <sub>A</sub> )	0.2 (T <sub>A</sub> )	0.7	1	2	3	6500	7100	-	-	30	6	2.5	-	-	-	Mass Production
SG150N05D	Power Tool, Motor Control, Power Supply, Automotive, Industrial	TO-252	N	Single	No	150	±20	41.4	33.1	150	2	-	4	27	-	-	-	1933	147	49	55	18	17	Mass Production
SG150N05P	Power Tool, Motor Control, Power Supply, Automotive, Industrial	TO-220(AB)	N	Single	No	150	±20	46.3	37	180	2	-	4	27	-	-	-	1933	147	49	55	18	17	Mass Production
SG200N01D	Power Tool, Motor Control, Power Supply, Automotive, Industrial	TO-252	N	Single	No	200	±30	18	14.5	72	2	3	4	80	-	-	-	810	45	37	25.4	5.5	10.3	Mass Production

SG200N03D	Power Tool, Motor Control, Power Supply, Automotive, Industrial	TO-252	N	Single	No	200	±20	17	13.6	24	1	1.4	2	92	96 (5V)	-	-	1400	82	62	34.8	3.8	8.1	Mass Production
SG200N03G	Power Tool, Motor Control, Power Supply, Automotive, Industrial	TO-263	N	Single	No	200	±20	27	23.5	80	1	1.4	2	92	96 (5V)	-	-	1400	82	62	34.8	3.8	8.1	Mass Production
SG200N05D	Power Tool, Motor Control, Power Supply, Automotive, Industrial	TO-252	N	Single	No	200	±20	27	21.7	85	2	-	4	58	-	-	-	1933	147	49	55	18	17	Mass Production
SG200N05P	Power Tool, Motor Control, Power Supply, Automotive, Industrial	TO-220(AB)	N	Single	No	200	±20	28.8	23.1	90	2	-	4	58	-	-	-	1933	147	49	55	18	17	Mass Production
SG200N06D	Power Tool, Motor Control, Power Supply, Automotive, Industrial	TO-252	N	Single	No	200	±20	27	21.4	85	0.5	-	1.2	55	58 (5V)	61 (3V)	-	2567	143	69	101	35	31	Mass Production
SG05N50P	Power Supplies, Power Adapter, Electronic Lamp Ballast, TV / Monitor	TO-220(AB)	N	Single	No	500	±30	5	4	20	2.5	3.5	4.5	1300	-	-	-	552	83	18	14	4.5	5.5	Q3,2013
SG09N50P	Power Supplies, Power Adapter, Electronic Lamp Ballast, TV / Monitor	TO-220(AB)	N	Single	No	500	±30	9	6.4	36	2.5	3.5	4.5	720	-	-	-	1019	129	15	44	8	27.4	Q3,2013
SG13N50P	Power Supplies, Power Adapter, Electronic Lamp Ballast, TV / Monitor	TO-220(AB)	N	Single	No	500	±30	13	-	52	2	3	4	370	-	-	-	1899	185	7.6	35	8.4	8.6	Mass Production
SG13N50F	Power Supplies, Power Adapter, Electronic Lamp Ballast, TV / Monitor	TO-220F	N	Single	No	500	±30	13	-	52	2	3	4	370	-	-	-	1899	185	7.6	35	8.4	8.6	Mass Production
SG14N50P	Power Supplies, Power Adapter, Electronic Lamp Ballast, TV / Monitor	TO-220(AB)	N	Single	No	500	±30	14	-	56	2	3	4	340	-	-	-	2240	208	6.3	38	10	8.5	Mass Production
SG14N50F	Power Supplies, Power Adapter, Electronic Lamp Ballast, TV / Monitor	TO-220F	N	Single	No	500	±30	14	-	56	2	3	4	340	-	-	-	2240	208	6.3	38	10	8.5	Mass Production
SG18N50P	Power Supplies, Power Adapter, Electronic Lamp Ballast, TV / Monitor	TO-220(AB)	N	Single	No	500	±30	18	-	72	2	3	4	240	-	-	-	3063	293	9.1	53	14	12.4	Mass Production
SG18N50F	Power Supplies, Power Adapter, Electronic Lamp Ballast, TV / Monitor	TO-220F	N	Single	No	500	±30	18	-	72	2	3	4	240	-	-	-	3063	293	9.1	53	14	12.4	Mass Production
SG01N60I	Power Supplies, Power Adapter, Electronic Lamp Ballast, TV / Monitor	TO-251	N	Single	No	600	±30	1	0.9	4.2	2.5	3.5	4.5	7000	-	-	-	125	15.5	3.8	5.5	1.27	3	Mass Production
SG01N60D	Power Supplies, Power Adapter, Electronic Lamp Ballast, TV / Monitor	TO-252	N	Single	No	600	±30	1	0.9	4.2	2.5	3.5	4.5	7000	-	-	-	125	15.5	3.8	5.5	1.27	3	Mass Production
SG02N60I	Power Supplies, Power Adapter, Electronic Lamp Ballast, TV / Monitor	TO-251	N	Single	No	600	±30	2	1.7	8.2	2.5	3.5	4.5	3600	-	-	-	226	27.9	4.54	8.8	2.1	4.4	Mass Production
SG02N60D	Power Supplies, Power Adapter, Electronic Lamp Ballast, TV / Monitor	TO-252	N	Single	No	600	±30	2	1.7	8.2	2.5	3.5	4.5	3600	-	-	-	226	27.9	4.54	8.8	2.1	4.4	Mass Production
SG02N60P	Power Supplies, Power Adapter, Electronic Lamp Ballast, TV / Monitor	TO-220(AB)	N	Single	No	600	±30	2	1.7	8.2	2.5	3.5	4.5	3600	-	-	-	226	27.9	4.54	8.8	2.1	4.4	Mass Production
SG02N60F	Power Supplies, Power Adapter, Electronic Lamp Ballast, TV / Monitor	TO-220F	N	Single	No	600	±30	2	1.7	8.2	2.5	3.5	4.5	3600	-	-	-	226	27.9	4.54	8.8	2.1	4.4	Mass Production
SG04N60I	Power Supplies, Power Adapter, Electronic Lamp Ballast, TV / Monitor	TO-251	N	Single	No	600	±30	4	3.2	17	2.5	3.5	4.5	2100	-	-	-	485	51.6	6.7	14	3.3	6.7	Q3,2013

SG04N60D	Power Supplies, Power Adapter, Electronic Lamp Ballast, TV / Monitor	TO-252	N	Single	No	600	±30	4	3.2	17	2.5	3.5	4.5	2100	-	-	-	485	51.6	6.7	14	3.3	6.7	Q3,2013
SG04N60P	Power Supplies, Power Adapter, Electronic Lamp Ballast, TV / Monitor	TO-220(AB)	N	Single	No	600	±30	4	3.2	17	2.5	3.5	4.5	2100	-	-	-	485	51.6	6.7	14	3.3	6.7	Q3,2013
SG04N60F	Power Supplies, Power Adapter, Electronic Lamp Ballast, TV / Monitor	TO-220F	N	Single	No	600	±30	4	3.2	17	2.5	3.5	4.5	2100	-	-	-	485	51.6	6.7	14	3.3	6.7	Q3,2013
SG06N60D	Power Supplies, Power Adapter, Electronic Lamp Ballast, TV / Monitor	TO-252	N	Single	No	600	±30	6	4.8	24	2	3	4	1100	-	-	-	1248	117	11.3	20.7	5.1	5.4	Q3,2013
SG06N60P	Power Supplies, Power Adapter, Electronic Lamp Ballast, TV / Monitor	TO-220(AB)	N	Single	No	600	±30	6	4.8	24	2	3	4	1100	-	-	-	1248	117	11.3	20.7	5.1	5.4	Q3,2013
SG06N60F	Power Supplies, Power Adapter, Electronic Lamp Ballast, TV / Monitor	TO-220F	N	Single	No	600	±30	6	4.8	24	2	3	4	1100	-	-	-	1248	117	11.3	20.7	5.1	5.4	Q3,2013