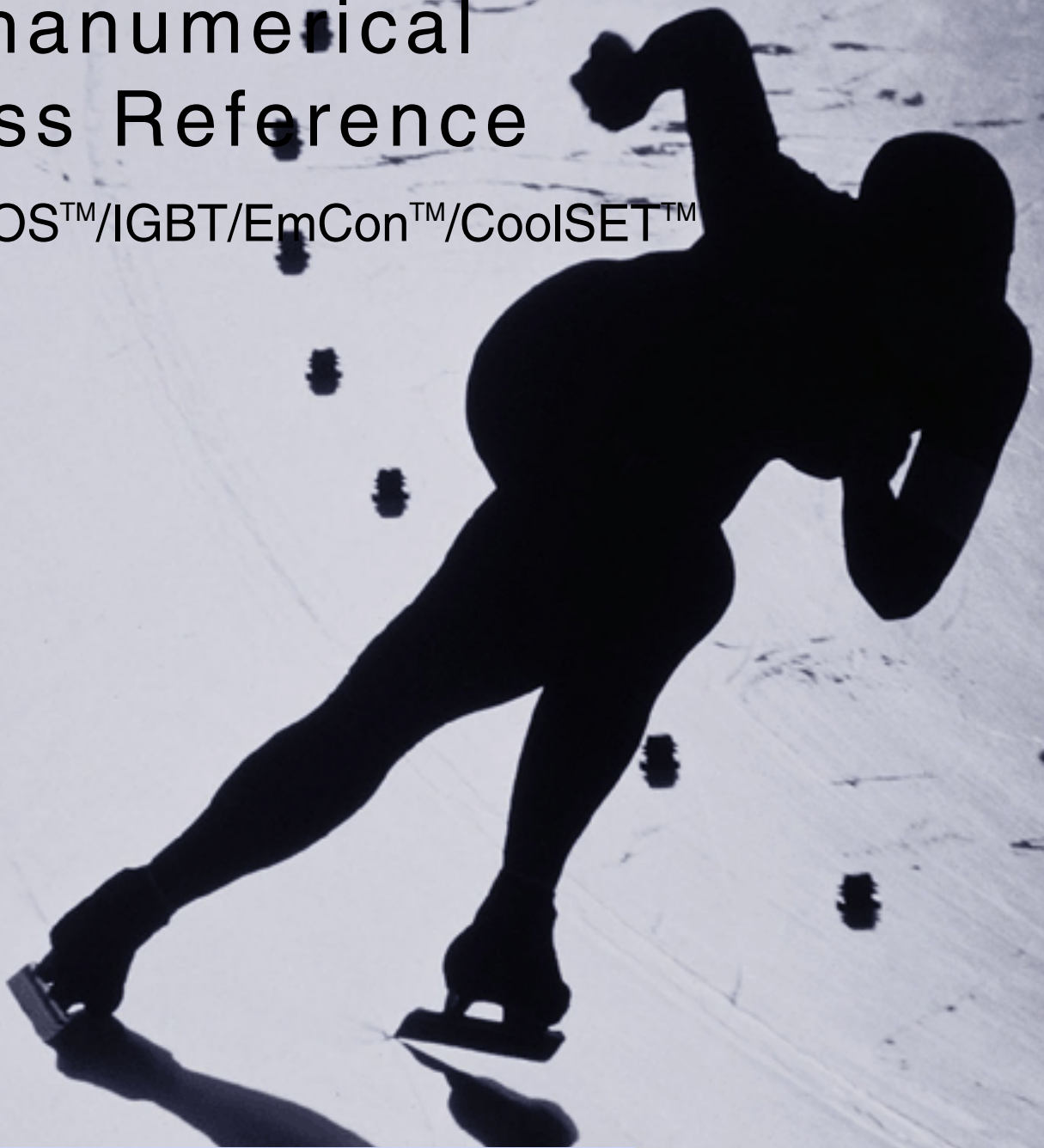


Alphanumerical Cross Reference

CoolMOS™/IGBT/EmCon™/CoolSET™



Power Management & Supply



Never stop thinking.

Alphanumerical Cross Reference

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V1.0

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Page	Subjects (major changes since last revision)
	Document's layout has been changed: 2002-Sep.

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International Rectifier

Product Name	V_{DS} [V]	I_D [A]	$R_{DS(on) max}$ [Ω]	Package	Equivalent CoolMOS™
IRC830	500	4.5	1.5	TO-220	SPP03N60C3
IRC840	500	8	0.85	TO-220	SPP04N60C3
IRF820	500	2.5	3	TO-220	SPP02N60C3
IRF820AL	500	2.5	3	I ² -PAK	SPP02N60C3
IRF820S	500	2.5	3	D ² -PAK	SPB02N60C3
IRF830A	500	5	1.4	TO-220	SPP03N60C3
IRF830AL	500	5	1.4	I ² -PAK	SPI07N60C3
IRF830AS	500	5	1.4	D ² -PAK	SPB03N60C3
IRF830S	500	4.5	1.5	D ² -PAK	SPB03N60C3
IRF840	500	8	0.85	TO-220	SPP04N60C3
IRF840AS	500	8	0.85	D ² -PAK	SPB04N60C3
IRF840AS	500	8	0.85	TO-220	SPP04N60C3
IRF840LCL	500	8	0.85	I ² -PAK	SPI07N60C3
IRF840LCS	500	8	0.85	D ² -PAK	SPB04N60C3
IRF840S	500	8	0.85	D ² -PAK	SPB04N60C3
IRFB11N50A	500	11	0.52	TO-220	SPP07N60C3
IRFB17N50L	500	17	0.25	TO-220	SPP20N60C3
IRFB18N50K	500	18	0.25	TO-220	SPP20N60C3
IRFB9N60A	600	9.2	0.75	TO-220	SPP07N60C3
IRFB9N65A	650	8.5	0.9	TO-220	SPP04N60C3
IRFBA22N50A	500	24	0.23	SUPER 220	SPW20N60C3
IRFBC20	600	2.2	4.4	TO-220	SPP02N60C3
IRFBC20L	600	2.2	4.4	I ² -PAK	SPI07N60C3
IRFBC20S	600	2.2	4.4	D ² -PAK	SPB02N60C3
IRFBC30	600	3.6	2.2	TO-220	SPP02N60C3
IRFBC30A	600	3.6	2.2	TO-220	SPP02N60C3
IRFBC30AS	600	3.6	2.2	D ² -PAK	SPB02N60C3
IRFBC30L	600	3.6	2.2	I ² -PAK	SPI07N60C3
IRFBC30S	600	3.6	2.2	D ² -PAK	SPB02N60C3

International Rectifier (cont'd)

Product Name	V_{DS} [V]	I_D [A]	$R_{DS(on) max}$ [Ω]	Package	Equivalent CoolMOS™
IRFBC40A	600	6.1	1.2	TO-220	SPB03N60C3
IRFBC40AS	600	6.2	1.2	D ² -PAK	SPB03N60C3
IRFBC40L	600	6.2	1.2	I ² -PAK	SPI07N60C3
IRFBC40S	600	6.2	1.2	D ² -PAK	SPB03N60C3
IRFBE20	800	1.8	6.5	TO-220	SPP02N80C3
IRFBE30	800	4.1	3	TO-220	SPP02N80C3
IRFD420	500	0.46	3	HEXDIP	SPP02N60C3
IRFDC20	600	0.32	4.4	HEXDIP	SPD02N60C3
IRFI820G	500	2.1	3	TO-220FP	SPA04N60C3
IRFI830G	500	3.1	1.5	TO-220FP	SPA04N60C3
IRFI840G	500	4.6	0.85	TO-220FP	SPA04N60C3
IRFI840GLC	500	4.8	0.85	TO-220FP	SPA04N60C3
IRFIB5N65A	650	5.1	0.93	TO-220FP	SPA04N60C3
IRFIB6N60A	600	5.5	0.75	TO-220FP	SPA07N60C3
IRFIB7N50A	500	6.6	0.52	TO-220FP	SPA07N60C3
IRFIBC20G	600	1.7	4.4	TO-220FP	SPA04N60C3
IRFIBC30G	600	2.5	2.2	TO-220FP	SPA04N60C3
IRFIBC40G	600	3.5	1.2	TO-220FP	SPA04N60C3
IRFIBC40GLC	600	4	1.2	TO-220FP	SPA04N60C3
IRFIBE20G	800	1.4	6.5	TO-220FP	SPP02N80C3
IRFIBE30G	800	2.1	3	TO-220FP	SPP02N80C3
IRFP17N50L	500	16	0.28	TO-247	SPW20N60C3
IRFP22N50A	500	22	0.23	TO-247	SPW20N60C3
IRFP31N50L	500	31	0.15	TO-247	SPW20N60C3
IRFP32N50K	500	32	0.145	TO-247	SPW20N60C3
IRFP440	500	8.8	0.85	TO-247	SPP04N60C3
IRFP448	500	11	0.6	TO-247	SPP07N60C3
IRFP450	500	14	0.4	TO-247	SPW11N60C3
IRFP450A	500	14	0.4	TO-247	SPW11N60C3

International Rectifier (cont'd)

Product Name	V_{DS} [V]	I_D [A]	$R_{DS(on) \max}$ [Ω]	Package	Equivalent CoolMOS™
IRFP460	500	20	0.27	TO-247	SPW20N60C3
IRFP460A	500	20	0.27	TO-247	SPW20N60C3
IRFP460AS	500	20	0.27	SMD-247	SPB20N60C3
IRFP460N	500	20	0.24	TO-247	SPW20N60C3
IRFP460P	500	20	0.27	TO-247	SPW20N60C3
IRFPC30	600	4.3	2.2	TO-247	SPP03N60C3
IRFPC40	600	6.8	1.2	TO-247	SPP03N60C3
IRFPC48	600	8.9	0.82	TO-247	SPP04N60C3
IRFPC50	600	11	0.6	TO-247	SPP07N60C3
IRFPC50A	600	11	0.58	TO-247	SPP07N60C3
IRFPC60	600	16	0.4	TO-247	SPW11N60C3
IRFPC60LC	600	16	0.4	TO-247	SPW11N60C3
IRFPE30	800	4.1	3	TO-247	SPP02N80C3
IRFPE40	800	5.4	2	TO-247	SPP04N80C3
IRFPE50	800	7.8	1.2	TO-247	SPP04N80C3
IRFPS37N50A	500	36	0.13	SUPER 247	SPW20N60C3
IRFPS40N50L	500	40	0.095	SUPER 247	SPW47N60C3
IRFPS43N50K	500	43	0.086	SUPER 247	SPW47N60C3
IRFR1N60A	600	1.4	7	D-PAK	SPD01N60S5
IRFR420	500	2.4	3	D-PAK	SPD02N60C3
IRFRC20	600	2	4.4	D-PAK	SPD02N60C3
IRFS11N50A	500	11	0.52	D ² -PAK	SPB07N60C3
IRFS9N60A	600	9.2	0.75	D ² -PAK	SPB07N60C3
IRFSL11N50A	500	11	0.55	I ² -PAK	SPI07N60C3
IRFSL9N60A	600	9.2	0.75	I ² -PAK	SPI07N60C3
IRFU420	500	2.4	3	I-PAK	SPU02N60C3
IRFUC20	600	2	4.4	I-PAK	SPU02N60C3

STMicroelectronics

Product Name	V_{DS} [V]	I_D [A]	$R_{DS(on) \max}$ [Ω]	Package	Equivalent CoolMOS™
ST4NC50	500	4	2.7	TO-220	SPP02N60C3
STB10NB50	500	10.6	0.6	D ² -PAK	SPB07N60C3
STB10NC50	500	10	0.52	D ² -PAK/I ² -PAK	SPB/I07N60C3
STB11NM60	600	11	0.4	D ² -PAK/I ² -PAK	SPB/I11N60C3
STB12NM50	500	12	0.35	D ² -PAK/I ² -PAK	SPB/I11N60C3
STB20NM60	600	20	0.25	D ² -PAK	SPB20N60C3
STB3NB60	600	3	2.2	D ² -PAK/I ² -PAK	SPB02N60C3
STB3NC60	600	3	3.6	D ² -PAK/I ² -PAK	SPB02N60C3
STB4BC60	600	4.2	1.8	D ² -PAK/I ² -PAK	SPB03N60C3
STB4NC80Z	800	4	2.4	I ² -PAK	SPP02N80C3
STB5NB60	600	5	2	D ² -PAK/I ² -PAK	SPB03N60C3
STB5NB80	800	5	1.8	D ² -PAK	SPP04N80C3
STB5NC70Z	700	4.6	1.8	I ² -PAK	SPP04N80C3
STB6NB50	500	6	1.5	D ² -PAK/I ² -PAK	SPB03N60C3
STB6NC60	600	6.2	1.2	D ² -PAK	SPB03N60C3
STB6NC80Z	800	5.4	1.5	I ² -PAK	SPP04N80C3
STB7NB60	600	7.2	1.2	D ² -PAK/I ² -PAK	SPB03N60C3
STB7NC70Z	700	6	1.1	I ² -PAK	SPP06N80C3
STB7NC80Z	800	6.5	1.3	I ² -PAK	SPP04N80C3
STB8NC50	500	8	0.85	D ² -PAK/I ² -PAK	SPB04N60C3
STB8NC70Z	700	6.8	0.9	I ² -PAK	SPP06N80C3
STB9NB50	500	8.6	0.85	D ² -PAK	SPB04N60C3
STB9NB60	600	9	0.8	D ² -PAK/I ² -PAK	SPB04N60C3
STB9NC60	600	9	0.75	D ² -PAK/I ² -PAK	SPB/I07N60C3
STD1HNC60	600	1	5	I-PAK	SPU01N60S5
STD1LNC60	600	1	16	I-PAK	SPU01N60S5
STD1NB50	500	1.4	9	I-PAK	SPU01N60S5
STD1NB60	600	1	8.5	I-PAK	SPU01N60S5
STD1NB80	800	1	16	D-PAK/I-PAK	SPP02N80C3

STMicroelectronics (cont'd)

Product Name	V_{DS} [V]	I_D [A]	$R_{DS(on) max}$ [Ω]	Package	Equivalent CoolMOS™
STD1NC60	600	1	8	I-PAK	SPU01N60S5
STD2NB50	500	1	6	D-PAK/I-PAK	SPD/U01N60S5
STD2NB60	600	2.6	3.6	D-PAK	SPD02N60C3
STD2NB80	800	1.9	4.6	D-PAK/I-PAK	SPP02N80C3
STD2NC60	600	2	3.6	D-PAK/I-PAK	SPD/I02N60C3
STD2NC70Z	700	2.3	4.1	D-PAK/I-PAK	SPP02N80C3
STD3NB50	500	3	2.8	D-PAK/I-PAK	SPD/U02N60C3
STD3NC50	500	3	2.7	D-PAK/I-PAK	SPD/U02N60C3
STD3NC60	600	3.2	2.2	D-PAK/I-PAK	SPD/U02N60C3
STD4NC50	500	3.7	1.5	D-PAK/I-PAK	SPD/U03N60C3
STD5NM50	500	5	0.8	D-PAK/I-PAK	SPB/I07N60C3
STD5NM60	600	5	0.9	D-PAK/I-PAK	SPD/U04N60C3
STE40NA60	600	40	0.135	ISOTOP	SPP20N60C3
STE48NM50	500	48	0.1	ISOTOP	SPW47N60C3
STE70NM50	500	70	0.05	ISOTOP	SPW47N60C3
STH13NB60FI	600	8.6	0.54	ISOWATT218	SPP07N60C3
STH15NB50FI	500	10.5	0.36	ISOWATT218	SPP11N60C3
STH9NC80ZFI	800	9.4	0.82	TO-247	SPP06N80C3
STN1NB80	800	0.2	16	SOT-223	SPP02N80C3
STN1NC60	600	0.3	16	SOT-223	SPN01N60S5
STP10NB50	500	10.6	0.6	TO-220	SPP07N60C3
STP10NB50FP	500	10.6	0.6	TO-220FP	SPA07N60C3
STP10NC50	500	10	0.52	TO-220	SPP07N60C3
STP10NC50FP	500	10	0.52	TO-220FP	SPA07N60C3
STP11NM60	600	11	0.4	TO-220	SPP11N60C3
STP12NM50	500	12	0.35	TO-220	SPP11N60C3
STP12NM50FP	500	12	0.35	TO-220FP	SPA11N60C3
STP20NM50	500	20	0.23	TO-220	SPP20N60C3
STP20NM60	600	20	0.25	TO-220	SPP20N60C3

STMicroelectronics (cont'd)

Product Name	V_{DS} [V]	I_D [A]	$R_{DS(on) max}$ [Ω]	Package	Equivalent CoolMOS™
STP3NB60	600	3.3	3.6	TO-220	SPP02N60C3
STP3NB60FP	600	2.2	3.6	TO-220FP	SPA04N60C3
STP3NB80	800	2.6	4.6	TO-220	SPP02N80C3
STP3NB80FP	800	2.6	4.6	TO-220FP	SPA04N80C3
STP3NC60	600	3	3.6	TO-220	SPP02N60C3
STP3NC60FP	600	3	3.6	TO-220FP	SPA04N60C3
STP3NC70FP	700	2.5	4.1	TO-220FP	SPA04N80C3
STP3NC70Z	700	2.5	4.1	TO-220	SPP02N80C3
STP4NB50	500	3.8	2.8	TO-220	SPP02N60C3
STP4NB50FP	500	2.5	2.8	TO-220FP	SPA04N60C3
STP4NB80	800	4	3	TO-220	SPP02N80C3
STP4NB80FP	800	4	3	TO-220FP	SPA04N80C3
STP4NC50FP	500	4	2.7	TO-220FP	SPA04N60C3
STP4NC60	600	4.2	2.2	TO-220	SPP02N60C3
STP4NC60FP	600	4.2	2.2	TO-220FP	SPA04N60C3
STP4NC80Z	800	4	2.4	TO-220	SPP02N80C3
STP4NC80ZFP	800	4	2.4	TO-220FP	SPA04N80C3
STP5NB60	600	5.3	2	TO-220	SPP03N60C3
STP5NB60FP	600	3	2	TO-220FP	SPA04N60C3
STP5NB80	800	5	1.8	TO-220	SPP04N80C3
STP5NB80FP	800	5	1.8	TO-220FP	SPA04N80C3
STP5NC50	500	5.5	1.5	TO-220	SPP03N60C3
STP5NC50FP	500	5.5	1.5	TO-220FP	SPA03N60C3
STP5NC70Z	700	4.6	1.8	TO-220	SPP04N80C3
STP5NC70ZFP	700	4.6	1.8	TO-220FP	SPA04N80C3
STP6NB50	500	5.8	1.5	TO-220	SPP03N60C3
STP6NB50FP	500	3.4	1.5	TO-220FP	SPA04N60C3
STP6NB80	800	5.7	1.6	TO-220	SPP04N80C3
STP6NB80FP	800	5.7	1.6	TO-220FP	SPA04N80C3

STMicroelectronics (cont'd)

Product Name	V_{DS} [V]	I_D [A]	$R_{DS(on) max}$ [Ω]	Package	Equivalent CoolMOS™
STP6NC60	600	6	1.2	TO-220	SPP03N60C3
STP6NC60FP	600	6	1.2	TO-220FP	SPA04N60C3
STP6NC80Z	800	5.4	1.5	TO-220	SPP04N80C3
STP7NB60	600	7.2	1.2	TO-220	SPP03N60C3
STP7NB60FP	600	4.1	1.2	TO-220FP	SPA04N60C3
STP7NB80	800	6.5	1.2	TO-220	SPP04N80C3
STP7NB80FP	800	6.5	1.2	TO-220FP	SPA04N80C3
STP7NC70Z	700	6	1.1	TO-220	SPP06N80C3
STP7NC70ZFP	700	6	1.1	TO-220FP	SPA06N80C3
STP7NC80Z	800	6.5	1.3	TO-220	SPP04N80C3
STP7NC80ZFP	800	6.5	1.3	TO-220FP	SPA04N80C3
STP8NC50	500	8	0.85	TO-220	SPP04N60C3
STP8NC50FP	500	8	0.85	TO-220FP	SPA04N60C3
STP8NC70Z	700	6.8	0.9	TO-220	SPP06N80C3
STP8NC70ZFP	700	6.8	0.9	TO-220FP	SPA06N80C3
STP8NM50	500	13	0.8	TO-220	SPP07N60C3
STP8NM60	600	8	0.9	TO-220	SPP04N60C3
STP8NM60FP	600	8	0.9	TO-220FP	SPA04N60C3
STP9NB50	500	8.6	0.85	TO-220	SPP04N60C3
STP9NB50FP	500	4.9	0.85	TO-220FP	SPA04N60C3
STP9NB60	600	9	0.8	TO-220	SPP04N60C3
STP9NB60FP	600	5.2	0.8	TO-220FP	SPA04N60C3
STP9NC60	600	9	0.75	TO-220	SPP07N60C3
STP9NC60FP	600	9	0.75	TO-220FP	SPA07N60C3
STP9NC65	650	8	0.75	TO-220	SPP07N60C3
STP9NC65FP	650	8	0.75	TO-220FP	SPA07N60C3
STPNC80FP	800	5.4	1.5	TO-220FP	SPA04N80C3
STS1DNC60	600	1	16	SO-8	SPN01N60S5
STS1NC60	600	1	16	SO-8	SPN01N60S5

STMicroelectronics (cont'd)

Product Name	V_{DS} [V]	I_D [A]	$R_{DS(on) max}$ [Ω]	Package	Equivalent CoolMOS™
STU10NB80	800	10	0.65	MAX-220	SPP08N80C3
STU10NC70Z	700	9.4	0.58	MAX-220	SPP08N80C3
STU10NC70ZI	700	9.4	0.58	MAX-220I	SPA08N80C3
STU11NB60	600	10.7	0.55	MAX-220	SPP07N60C3
STU11NB60I	600	10.7	0.55	MAX-220I	SPA07N60C3
STU11NC60	600	11	0.55	MAX-220	SPP07N60C3
STU13NB50	500	13	0.45	MAX-220	SPP11N60C3
STU13NB50I	500	13	0.45	MAX-220I	SPA11N60C3
STU13NB60	600	12.6	0.45	MAX-220	SPP11N60C3
STU13NB60I	600	12.6	0.45	MAX-220I	SPA11N60C3
STU13NC50	500	13	0.4	MAX-220	SPP11N60C3
STU16NB50	500	15.6	0.33	MAX-220	SPP11N60C3
STU16NB50I	500	15.6	0.33	MAX-220I	SPA11N60C3
STU16NC50	500	16	0.27	MAX-220	SPP20N60C3
STU26NM50	500	26	0.12	MAX-220	SPP20N60C3
STU26NM50I	500	26	0.12	MAX-220I	SPA20N60C3
STU26NM60	600	26	0.14	MAX-220	SPP20N60C3
STU26NM60I	600	26	0.14	MAX-220I	SPA20N60C3
STU9NB80	800	9.3	0.85	MAX-220	SPP06N80C3
STU9NC80Z	800	8.6	0.82	MAX-220	SPP06N80C3
STU9NC80ZI	800	8.6	0.82	MAX-220I	SPA06N80C3
STW10NB60	600	10	0.8	TO-247	SPP04N60C3
STW10NC60	600	10	0.75	TO-247	SPP07N60C3
STW10NC70Z	700	10.6	0.58	TO-247	SPP08N80C3
STW11NB80	800	11	0.65	TO-247	SPP08N80C3
STW12NB60	600	12	0.65	TO-247	SPP07N60C3
STW12NC50	500	10	0.52	TO-247	SPP07N60C3
STW12NC60	600	12	0.55	TO-247	SPP07N60C3
STW13NB60	600	13	0.54	TO-247	SPP07N60C3

STMicroelectronics (cont'd)

Product Name	V_{DS} [V]	I_D [A]	$R_{DS(on) \max}$ [Ω]	Package	Equivalent CoolMOS™
STW14NB50	500	14	0.45	TO-247	SPW11N60C3
STW14NC50	500	14	0.4	TO-247	SPW11N60C3
STW14NM50	500	12	0.35	TO-247	SPW11N60C3
STW15NB50	500	14.6	0.36	TO-247	SPW11N60C3
STW16NB60	600	16	0.35	TO-247	SPW11N60C3
STW20NB50	500	20	0.25	TO-247	SPW20N60C3
STW20NC50	500	18.4	0.27	TO-247	SPW20N60C3
STW20NM50	500	20	0.23	TO-247	SPW20N60C3
STW20NM60	600	20	0.25	TO-220	SPP20N60C3
STW45NM50	500	45	0.09	TO-247	SPW47N60C3
STW45NM50FD	500	45	0.1	TO-247	SPW47N60C3
STW7NB80	800	6.5	1.6	TO-247	SPP04N80C3
STW7NC80Z	800	6	1.5	TO-247	SPP04N80C3
STW8NB80	800	7	1.2	TO-247	SPP04N80C3
STW8NC70Z	700	7	1.1	TO-247	SPP06N80C3
STW8NC80Z	800	6.7	1.3	TO-247	SPP04N80C3
STW9NC70Z	700	7.5	0.9	TO-247	SPP06N80C3
STW9NC80Z	800	9.4	0.82	ISOWATT218	SPP06N80C3
STY25NA60	600	25	0.24	MAX-247	SPW20N60C3
STY34NB50	500	34	0.13	MAX-247	SPW20N60C3
STY34NB50F	500	34	0.14	MAX-247	SPW20N60C3
STY60NM50	500	60	0.05	MAX-247	SPW47N60C3
STY60NM60	600	60	0.06	MAX-247	SPW47N60C3

Toshiba

Product Name	V_{DS} [V]	I_D [A]	$R_{DS(on) max}$ [Ω]	Package	Equivalent CoolMOS™
2SK1029	500	10	0.5	TO-3P(L)	SPW11N60C3
2SK1117	600	6	1.25	TO-220AB	SPP03N60C3
2SK1118	600	6	1.25	TO-220(IS)	SPP03N60C3
2SK1213	600	6	1.25	TO-3P(N)	SPP03N60C3
2SK1333	500	15	0.4	TO-3P(L)	SPW11N60C3
2SK1351	500	5	1.5	TO-220(IS)	SPA04N60C3
2SK1352	500	7	0.85	TO-220(IS)	SPA04N60C3
2SK1488	500	10	1	TO-3P(N)	SPP04N60C3
2SK1513	500	8	0.75	TO-3P(L)	SPP07N60C3
2SK1531	500	15	0.45	TO-3P(N)	SPW11N60C3
2SK1544	500	25	0.2	TO-3P(L)	SPW20N60C3
2SK1574	500	8	0.85	TO-220AB	SPP04N60C3
2SK1600	800	3	5	TO-220AB	SPP02N80C3
2SK1602	800	2.8	5	TO-220(IS)	SPP02N80C3
2SK1651	500	8	1	TO-3PIS	SPA04N60C3
2SK1652	500	13	0.45	TO-3PIS	SPA11N60C3
2SK1721	500	3	3	TO-220FL/SM	SPB02N60C3
2SK1722	500	5	1.5	TO-220FL/SM	SPB03N60C3
2SK1723	600	12	0.65	TO-3P(N)	SPP07N60C3
2SK1745	500	18	0.36	TO-3P(N)	SPW11N60C3
2SK1746	600	2	4	TO-220FL/SM	SPB02N60C3
2SK1767	600	3.5	2.5	TO-220(IS)	SPP02N60C3
2SK1769	600	2	4	NPM	SPP02N60C3
2SK1805	500	7	0.85	TO-220(IS)	SPA04N60C3
2SK1855	500	12	0.7	TO-3P(N)	SPP07N60C3
2SK1858	800	3	5	TO-220FL/SM	SPP02N80C3
2SK1864	500	8	0.85	TO-220FL/SM	SPB04N60C3
2SK1865	500	12	0.7	TO-220FL/SM	SPB/107N60C3
2SK1913	600	4	1.8	TO-220FL/SM	SPB03N60C3

Toshiba (cont'd)

Product Name	V_{DS} [V]	I_D [A]	R_{DS(on)} max [Ω]	Package	Equivalent CoolMOS™
2SK1915	600	6	1.25	TO-220FL/SM	SPB03N60C3
2SK2038	800	5	2.2	TO-3P(N)	SPP02N80C3
2SK2056	800	4	2.4	TO-220(IS)	SPP02N80C3
2SK2057	500	20	0.34	TO-3P(N)	SPW11N60C3
2SK2077	800	7	1.7	TO-3P(N)	SPP03N60C3
2SK2078	800	9	1.2	TO-3P(N)	SPP03N60C3
2SK2089	800	5	2.4	TO-220FL/SM	SPP02N80C3
2SK2149	500	10	0.8	TO-3P(N)	SPP04N60C3
2SK2150	500	15	0.4	TO-3P(N)	SPW11N60C3
2SK2222	800	5	2.2	TO-3PIS	SPP02N80C3
2SK2236	500	5	1.6	TO-220(IS)	SPA04N60C3
2SK2237	500	8	0.8	TO-220(IS)	SPA04N60C3
2SK2274	700	5	1.7	TO-220(IS)	SPA04N60C3
2SK2319	800	7	1.7	TO-3PIS	SPP03N60C3
2SK2320	800	8.5	1.2	TO-3PIS	SPP03N60C3
2SK2351	600	6	1.25	TO-220AB	SPP03N60C3
2SK2352	600	6	1.25	TO-220(IS)	SPP03N60C3
2SK2386	500	5	1.6	TO-220AB	SPP03N60C3
2SK2387	500	8	0.8	TO-220AB	SPP04N60C3
2SK2388	600	3.5	2.2	TO-220(IS)	SPA04N60C3
2SK2402	600	3.5	2.2	TO-220AB	SPP03N60C3
2SK2542	500	8	0.85	TO-220AB	SPP04N60C3
2SK2543	500	8	0.85	TO-220(IS)	SPA04N60C3
2SK2544	600	6	1.25	TO-220AB	SPP03N60C3
2SK2545	600	6	1.25	TO-220(IS)	SPA04N60C3
2SK2599	500	2	3.2	TPS	SPP02N60C3
2SK2600	500	8	0.85	TO-3IS	SPP04N60C3
2SK2601	500	10	1	TO-3P(N)	SPP04N60C3
2SK2602	600	6	1.25	TO-3P(N)	SPP03N60C3

Toshiba (cont'd)

Product Name	V_{DS} [V]	I_D [A]	$R_{DS(on) max}$ [Ω]	Package	Equivalent CoolMOS™
2SK2603	800	3	3.6	TO-220AB	SPP02N60C3
2SK2604	800	5	2.2	TO-3P(N)	SPP02N80C3
2SK2605	800	5	2.2	TO-220(IS)	SPP02N80C3
2SK2606	800	8.5	1.2	TO-3PIS	SPP04N80C3
2SK2607	800	9	1.2	TO-3P(N)	SPP04N80C3
2SK2661	500	5	1.5	TO-220AB	SPP03N60C3
2SK2662	500	5	1.5	TO-220(IS)	SPA04N60C3
2SK2698	500	15	0.4	TO-3P(N)	SPW11N60C3
2SK2699	600	12	0.65	TO-3P(N)	SPP07N60C3
2SK2746	800	7	1.7	TO-3P(N)	SPP04N80C3
2SK2750	600	3.5	2.2	TO-220(IS)	SPA04N60C3
2SK2776	500	8	0.85	TO-220FL/SM	SPB04N60C3
2SK2777	600	6	1.25	TO-220FL/SM	SPA04N60C3
2SK2836	600	1	9	SP	SPD01N60S5
2SK2837	500	20	0.27	TO-3P(N)	SPW20N60C3
2SK2842	500	12	0.52	TO-220(IS)	SPA07N60C3
2SK2843	600	10	0.75	TO-220(IS)	SPA07N60C3
2SK2846	600	2	5	TPS	SPD01N60S5
2SK2856	600	2	5	PW-MOLD	SPD01N60S5
2SK2862	500	2	3	TO-220(IS)	SPA04N60C3
2SK2866	600	10	0.75	TO-220(IS)	SPA07N60C3
2SK2883	800	3	3.6	TO-220FL/SM	SPP02N80C3
2SK2884	800	5	2.2	TO-220FL/SM	SPP02N80C3
2SK2886	600	10	0.75	TO-220(IS)	SPA07N60C3
2SK2889	600	10	0.75	TO-220FL/SM	SPB/107N60C3
2SK2915	600	16	0.4	TO-3P(N)	SPW11N60C3
2SK2916	500	14	0.4	TO-3PIS	SPW11N60C3
2SK2917	500	18	0.27	TO-3PIS	SPW20N60C3
2SK2953	600	15	0.4	TO-3PIS	SPW11N60C3

Toshiba (cont'd)

Product Name	V_{DS} [V]	I_D [A]	$R_{DS(on) max}$ [Ω]	Package	Equivalent CoolMOS™
2SK2991	500	5	1.5	TO-220FL/SM	SPB03N60C3
2SK2996	600	10	1	TO-220(IS)	SPA04N60C3
2SK2997	800	1.5	8	DP	SPD01N60S5
2SK2998	500	0.5	18	TO-92MOD	SPD01N60S5
2SK3067	600	2	5	TO-220(IS)	SPA04N60C3
2SK3068	500	12	0.52	TO-220FL/SM	SPB/I07N60C3
2SK3085	600	3.5	2.2	TO-220AB	SPP02N60C3
2SK3117	500	20	0.27	TO-3P(SM)	SPW20N60C3
2SK3126	450	10	0.65	TO-220(IS)	SPA07N60C3
2SK3130	600	6	1.5	TO-220(IS)	SPA04N60C3
2SK3131	500	50	0.11	TO-3P(L)	SPW47N60C2
2SK3132	500	50	0.095	TO-3P(L)	SPW47N60C2
2SK3265	700	10	1	TO-220(IS)	SPA06N80C3
2SK3302	500	0.5	18	TPS	SPD01N60S5
2SK3309	450	10	0.65	TO-220FL/SM	SPB/I07N60C3
2SK3310	450	10	0.65	TO-220(IS)	SPA07N60C3
2SK3312	600	6	1.25	TO-220FL/SM	SPB03N60C3
2SK3313	500	12	0.62	TO-220(IS)	SPA07N60C3
2SK3314	500	20	0.48	TO-3P(N)	SPW11N60C3
2SK3316	500	5	1.8	TO-220(IS)	SPA04N60C3
2SK3399	600	10	0.75	TO-220FL/SM	SPB/I07N60C3
2SK3403	450	13	0.4	TO-220FL/SM	SPB/I11N60C3
2SK3437	600	10	1	TO-220FL/SM	SPB04N60C3
2SK644	500	10	1	TO-3P(N)	SPP04N60C3
2SK678	500	13	0.4	TO-3P(L)	SPW11N60C3
2SK694	500	12	0.5	TO-3P(L)	SPP07N60C3
2SK788	500	13	0.5	TO-3P(N)	SPP07N60C3
2SK790	500	15	0.4	TO-3P(N)	SPW11N60C3
2SK791	850	3	4.5	TO-220AB	SPP02N80C3

Toshiba (cont'd)

Product Name	V_{DS} [V]	I_D [A]	$R_{DS(on) max}$ [Ω]	Package	Equivalent CoolMOS™
2SK793	850	5	2.5	TO-3P(N)	SPP02N80C3
2SK858	600	2	4	TO-220AB	SPP02N60C3
2SK892	500	2.5	3	TO-220AB	SPP02N60C3
2SK893	500	5	1.5	TO-220AB	SPP03N60C3
2SK894	500	8	0.85	TO-220AB	SPP04N60C3
2SK896	500	12	0.5	TO-3P(N)	SPW11N60C3
S2S80	600	1	9	PW-MOLD	SPD01N60S5
S2Y84	500	5	1.8	TO-220FL/SM	SPB03N60C3
S2Z15	500	5	1.8	TO-220FL/SM	SPB03N60C3
S2Z60	600	10	1	TFP	SPP04N60C3

Fairchild

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
FGB30N6S2	600	20.0	1.8	TO-263	SGB20N60HS
FGB40N6S2	600	35.0	1.7	TO-263	SGB30N60HS
FGH30N6S2	600	20.0	1.8	TO-247	SGW20N60HS
FGH30N6S2D	600	20.0	1.8	TO-247	SKW20N60HS
FGH40N6S2	600	35.0	1.7	TO-247	SGW30N60HS
FGH40N6S2D	600	35.0	1.7	TO-247	SKW30N60HS
FGP30N6S2	600	20.0	1.8	TO-220	SGP20N60HS
FGP40N6S2	600	35.0	1.7	TO-220	SGP30N60HS
SGH10N60RUF	600	10.0	2.2	TO-3P	SGW10N60A
SGH15N60RUF	600	15.0	2.2	TO-3P	SGW15N60
SGH20N60RUF	600	20.0	2.2	TO-3P	SGW20N60
SGH23N60UF	600	12.0	2.0	TO-3P	SGW10N60A
SGP10N60RUF	600	10.0	2.2	TO-220	SKP10N60A
SGP20N60RUF	600	20.0	2.2	TO-220	SGP20N60
SGP23N60UFD	600	12.0	2.1	TO-220	SKP15N60
SGR2N60UF	600	1.2	2.1	TO-252	SGD02N60

Fairchild (previous Samsung Power Products)

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
SGF40N60UFD	600	20.0	2.0	TO-3PF	SKW20N60
SGH10N120RUF	1200	10.0	2.2	TO-3P	IGW08T120
SGH10N120RUF	1200	10.0	2.2	TO-3P	IKW08T120
SGH13N60UFD	600	6.5	2.0	TO-3P	SKW10N60A
SGH15N120RUF	1200	15.0	2.2	TO-3P	IGW15T120
SGH15N120RUF	1200	15.0	2.2	TO-3P	IKW15T120
SGH15N60RUF	600	15.0	2.2	TO-3P	SKW15N60

Fairchild (previous Samsung Power Products) (cont'd)

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
SGH20N120RUF	1200	20.0	2.2	TO-3P	IGW25T120
SGH20N120RUF D	1200	20.0	2.2	TO-3P	IKW25T120
SGH20N60RUF D	600	20.0	2.2	TO-3P	SKW20N60
SGH23N60UF D	600	12.0	2.0	TO-3P	SKW10N60A
SGH25N120RUF	1200	25.0	2.2	TO-3P	IGW25T120
SGH30N60RUF	600	30.0	2.0	TO-3P	SGW30N60
SGH30N60RUF D	600	30.0	2.0	TO-3P	SGW30N60
SGH40N60UF	600	20.0	2.0	TO-3P	SGW20N60
SGH40N60UF D	600	20.0	2.0	TO-3P	SKW20N60
SGH5N120RUF	1200	5.0	2.2	TO-3P	IGW08T120
SGH5N120RUF D	1200	5.0	2.2	TO-3P	IKW08T120
SGP10N60RUF	600	10.0	2.2	TO-220	SGP10N60A
SGP13N60UF	600	6.5	2.0	TO-220	SGP06N60
SGP13N60UF D	600	6.5	2.0	TO-220	SKP04N60
SGP15N60RUF	600	15.0	2.0	TO-220	SGP15N60
SGP20N60RUF	600	20.0	2.0	TO-220	SGP20N60
SGP23N60UF	600	12.0	2.0	TO-220	SGP10N60A
SGP40N60UF	600	20.0	2.0	TO-220	SGP20N60
SGP5N60RUF	600	5.0	2.0	TO-220	SGP06N60
SGP5N60RUF D	600	5.0	2.0	TO-220	SGP06N60
SGP6N60UF	600	3.0	2.1	TO-220	SGP04N60
SGP6N60UF D	600	3.0	2.1	TO-220	SKP04N60
SGR5N60RUF	600	5.0	2.0	TO-252	SGD06N60
SGR6N60UF	600	3.0	2.1	TO-252	SGD04N60
SGS13N60UF D	600	6.5	2.0	TO-220 FullPAK	SKA06N60
SGS5N60RUF D	600	5.0	2.0	TO-220 FullPAK	SKA06N60
SGS6N60UF D	600	3.0	2.1	TO-220 FullPAK	SKA04N60
SGW13N60UF	600	6.5	2.0	TO-263	SGB06N60

Fairchild (previous Samsung Power Products) (cont'd)

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
SGW13N60UFD	600	6.5	2.0	TO-263	SKB06N60
SGW23N60UF	600	12.0	2.0	TO-263	SGB10N60A
SGW5N60RUF	600	5.0	2.0	TO-263	SGB06N60
SGW5N60RUFDF	600	5.0	2.0	TO-263	SGB06N60
SGW6N60UF	600	3.0	2.1	TO-263	SGB04N60
SGW6N60UFD	600	3.0	2.1	TO-263	SKB04N60

Fairchild (previous Intersil)

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
HGT1S10N120BNS	1200	17.0	3.7	TO-263	SGB15N120
HGT1S12N60A4S	600	23.0	1.6	TO-263	SGB20N60HS
HGT1S12N60B3S	600	12.0	1.7	TO-263	SGB15N60
HGT1S12N60C3DS	600	12.0	1.9	TO-263	SKB15N60
HGT1S12N60C3S	600	12.0	1.9	TO-263	SGB15N60
HGT1S1N120CNDS	1200	3.2	2.8	TO-263	SKB02N120
HGT1S20N60C3S	600	20.0	1.5	TO-263	SGB20N60
HGT1S2N120BNS	1200	5.6	3.6	TO-263	SGB07N120
HGT1S2N120CNS	1200	7.0	2.8	TO-263	SGB07N120
HGT1S3N60B3DS	600	3.5	2.1	TO-263	SKB04N60
HGT1S3N60B3S	600	3.5	2.1	TO-263	SGB04N60
HGT1S3N60C3DS	600	3.0	1.9	TO-263	SKB04N60
HGT1S5N120BNS	1200	10.0	3.7	TO-263	SGB07N120
HGT1S5N120CNS	1200	12.0	2.9	TO-263	SGB15N120
HGT1S7N60A4DS	600	14.0	1.6	TO-263	SKB15N60HS
HGT1S7N60A4S	600	14.0	1.6	TO-263	SGB15N60HS
HGT1S7N60B3DS	600	7.0	2.1	TO-263	SKB06N60

Fairchild (previous Intersil) (cont'd)

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
HGT1S7N60B3S	600	7.0	2.1	TO-263	SGB06N60
HGT1S7N60C3DS	600	7.0	1.9	TO-263	SKB06N60
HGT1SN60B3S	600	20.0	2.1	TO-263	SGB20N60
HGT5A40N60A4D	600	63.0	1.8	TO-247	SKW30N60HS
HGTD1N120CNS	1200	3.2	2.8	TO-252	SGD02N120
HGTD3N60B3S	600	3.5	2.1	TO-252	SGD04N60
HGTD3N60C3S	600	3.0	1.9	TO-252	SGD04N60
HGTD7N60B3S	600	7.0	2.1	TO-252	SGD06N60
HGTD7N60C3S	600	7.0	1.9	TO-252	SGD06N60
HGTG10N120BN	1200	17.0	3.7	TO-247	SGW15N120
HGTG10N120BND	1200	17.0	3.7	TO-247	SKW15N120
HGTG11N120CND	1200	22.0	2.9	TO-247	SKW25N120
HGTG12N60A4	600	23.0	1.6	TO-247	SGW20N60HS
HGTG12N60A4D	600	23.0	1.6	TO-247	SKW20N60HS
HGTG12N60B3	600	12.0	1.7	TO-247	SGW15N60
HGTG12N60B3D	600	12.0	1.7	TO-247	SKW15N60
HGTG12N60C3D	1200	12.0	1.9	TO-247	SKW15N120
HGTG18N120BN	1200	26.0	3.8	TO-247	SGW25N120
HGTG18N120BND	1200	26.0	3.8	TO-247	SKW25N120
HGTG1N120CN	1200	22.0	1.8	TO-247	SGW25N120
HGTG20N120CN	1200	30.0	2.9	TO-247	SGW25N120
HGTG20N120CND	1200	30.0	2.9	TO-247	SKW25N120
HGTG20N60A4	600	40.0	1.6	TO-247	SGW30N60HS
HGTG20N60B3	600	20.0	2.1	TO-247	SGW20N60
HGTG20N60B3D	600	20.0	2.1	TO-247	SKW20N60
HGTG20N60C3	600	20.0	1.5	TO-247	SGW20N60
HGTG20N60C3D	600	20.0	1.5	TO-247	SKW20N60
HGTG27N120BN	1200	34.0	3.8	TO-247	IGW40T120

Fairchild (previous Intersil) (cont'd)

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
HGTG30N120CN	1200	40.0	2.9	TO-247	IGW40T120
HGTG30N60B3	600	30.0	1.7	TO-247	SGW30N60
HGTG30N60B3D	600	30.0	1.7	TO-247	SKW30N60
HGTG30N60C3	600	30.0	1.7	TO-247	SGW30N60
HGTG30N60C3D	600	30.0	1.7	TO-247	SKW30N60
HGTG5N120BND	1200	10.0	3.7	TO-247	SKW07N120
HGTG5N120CND	1200	12.0	2.9	TO-247	SKW15N120
HGTG7N60A4	600	14.0	1.6	TO-247	SGW15N60HS
HGTP10N120BN	1200	17.0	3.7	TO-220	SGP15N120
HGTP12N60A4	600	23.0	1.6	TO-220	SGP20N60HS
HGTP12N60B3	600	12.0	1.7	TO-220	SGP15N60
HGTP12N60B3D	600	12.0	1.7	TO-220	SKP15N60
HGTP12N60C3D	600	12.0	1.9	TO-220	SKP15N60
HGTP12N60C3S	600	12.0	1.9	TO-220	SGP15N60
HGTP1N120BN	1200	2.7	3.8	TO-220	SGP07N120
HGTP1N120CN	1200	3.2	2.8	TO-220	SGP02N120
HGTP1N120CNDS	1200	3.2	2.8	TO-220	SKP02N120
HGTP20N60A4	600	40.0	1.6	TO-220	SGP30N60HS
HGTP20N60B3	600	20.0	2.1	TO-220	SGP20N60
HGTP20N60C3	600	20.0	1.5	TO-220	SGP20N60
HGTP2N120BN	1200	5.6	3.6	TO-220	SGP07N120
HGTP2N120CN	1200	7.0	2.8	TO-220	SGP07N120
HGTP3N60B3	600	3.5	2.1	TO-220	SGP04N60
HGTP3N60B3D	600	3.5	2.1	TO-220	SKP04N60
HGTP3N60C3	600	3.0	1.9	TO-220	SGP04N60
HGTP3N60C3DS	600	3.0	1.9	TO-220	SKP04N60
HGTP5N120BN	1200	10.0	3.7	TO-220	SGP07N120
HGTP5N120CNS	1200	12.0	2.9	TO-220	SGP15N120

Fairchild (previous Intersil) (cont'd)

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
HGTP7N60A4	600	14.0	1.6	TO-220	SGP15N60HS
HGTP7N60A4D	600	14.0	1.6	TO-220	SKP15N60HS
HGTP7N60B3	600	7.0	2.1	TO-220	SGP06N60
HGTP7N60B3D	600	7.0	2.1	TO-220	SKP06N60
HGTP7N60C3	600	7.0	1.9	TO-220	SGP06N60
HGTP7N60C3D	600	7.0	1.9	TO-220	SKP06N60

Fuji

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
1MB05-120	1200	5.0	3.5	TO-3P	IGW08T120
1MB05D-120	1200	5.0	3.5	TO-3P	IKW08T120
1MB08-120	1200	8.0	3.5	TO-3P	IGW08T120
1MB08D-120	1200	8.0	3.5	TO-3P	IKW08T120
1MB10-120	1200	10.0	3.5	TO-3P	IGW15T120
1MB10D-120	1200	10.0	3.5	TO-3P	IKW15T120
1MB15D-060	600	15.0	3.0	TO-3P	SKW15N60
1MB20-060	600	20.0	3.0	TO-3P	SGW20N60
1MB20D-060	600	20.0	3.0	TO-3P	SKW20N60
1MB30-060	600	30.0	3.0	TO-3P	SGW30N60
1MB30D-060	600	30.0	3.0	TO-3P	SKW30N60
1MBC05-060	600	5.0	3.0	TO-220	SGP04N60
1MBC05D-060	600	5.0	3.0	TO-220	SKP04N60
1MBC10-060	600	10.0	3.0	TO-220	SGP10N60A
1MBC10D-060	600	10.0	3.0	TO-220	SKP10N60A
1MBC15-060	600	15.0	3.0	TO-220	SGP15N60
1MBG05D-060	600	5.0	3.0	T-Pack	SKB04N60

Fuji (cont'd)

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
1MBG10D-060	600	10.0	3.0	T-Pack	SKB10N60A
1MBH03D-120	1200	2.5	3.5	TO-3PL	SKW07N120
1MBH05D-120	1200	5.0	3.5	TO-3PL	SKW07N120
1MBH08D-120	1200	8.0	3.5	TO-3PL	IKW08T120
1MBH10D-060	600	10.0	3.0	TO-3PL	SKW10N60A
1MBH15-120	1200	15.0	3.5	TO-3PL	IGW15T120
1MBH15D-060	600	15.0	3.0	TO-3PL	SKW15N60
1MBH15D-120	1200	15.0	3.5	TO-3PL	IKW15T120
1MBH25-120	1200	25.0	3.5	TO-3PL	IGW25T120
1MBH25D-120	1200	25.0	3.5	TO-3PL	IKW25T120
1MBH30-060	600	30.0	3.0	TO-3PL	SGW30N60
1MBH30D-060	600	30.0	3.0	TO-3PL	SKW30N60
1MBH50-060	600	50.0	3.0	TO-3PL	IGW60T120
1MC03-120	1200	2.5	3.5	TO-220	SGP02N120

Infineon (previous Siemens)

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
BUP 200	1200	2.4	4.0	TO-220	SGP02N120
BUP 200D	1200	2.4	4.0	TO-220	SKP02N120
BUP 200 SMD	1200	2.4	4.0	TO-263	SGB02N120
BUP 202	1000	8.0	4.0	TO-220	SGP07N120
BUP 202 SMD	1000	8.0	4.0	TO-263	SGB07N120
BUP 203	1000	15.0	4.0	TO-220	SGP15N120
BUP 203 SMD	1000	15.0	4.0	TO-263	SGB15N120
BUP 212	1200	12.0	4.3	TO-220	SGP15N120
BUP 302	1000	8.0	4.0	TO-218	IGW08T120
BUP 303	1000	15.0	4.0	TO-218	SGW15N120
BUP 304	1000	23.0	4.0	TO-218	SGW25N120
BUP 305D	1000	8.0	4.0	TO-218	IKW08T120
BUP 306D	1200	15.0	4.0	TO-218	SKW15N120
BUP 307	1200	23.0	4.0	TO-218	SGW25N120
BUP 307D	1200	23.0	4.0	TO-218	SGW25N120
BUP 311D	1200	12.0	4.3	TO-218	IKW15T120
BUP 312	1000	8.0	4.0	TO-218	IGW08T120
BUP 313	1200	18.0	3.3	TO-218	IGW15T120
BUP 313D	1200	18.0	3.3	TO-218	IKW15T120
BUP 314	1200	29.0	3.3	TO-218	IGW25T120
BUP 314D	1200	29.0	3.3	TO-218	IKW25T120
BUP 314S	1200	17.0	4.5	TO-218	SGW15N120
BUP 400	600	14.0	2.2	TO-220	SGP15N60
BUP 400D	600	14.0	2.2	TO-220	SKP15N60
BUP 400D SMD	600	14.0	2.2	TO-263	SKB15N60
BUP 401	600	18.0	2.2	TO-220	SGP20N60
BUP 401 SMD	600	18.0	2.2	TO-263	SGB20N60
BUP 402	600	22.0	2.2	TO-220	SGP20N60

Infineon (previous Siemens) (cont'd)

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
BUP 402 SMD	600	22.0	2.2	TO-263	SGB20N60
BUP 403	600	32.0	2.2	TO-220	SGP30N60
BUP 410	600	8.0	2.1	TO-220	SGP10N60A
BUP 410D	600	8.0	2.1	TO-220	SKP10N60A
BUP 410D SMD	600	8.0	2.1	TO-263	SKB10N60A
BUP 602D	600	22.0	2.2	TO-218	SKW20N60
BUP 603D	600	32.0	2.2	TO-218	SKW30N60

International Rectifier

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
IRG4BC10K	600	5.0	2.6	TO-220	SGP04N60
IRG4BC10KD	600	5.0	2.6	TO-220	SKP04N60
IRG4BC10S	600	8.0	1.7	TO-220	SGP10N60A
IRG4BC10SD	600	8.0	1.7	TO-220	SKP10N60A
IRG4BC10SD-S	600	8.0	1.7	TO-263	SKB10N60A
IRG4BC10UD	600	5.0	2.3	TO-220	SKP04N60
IRG4BC15MD	600	8.6	2.1	TO-220	SKP10N60A
IRG4BC15UD	600	7.8	2.2	TO-220	SKP10N60A
IRG4BC15UD-S	600	7.8	2.2	TO-263	SKB10N60A
IRG4BC20F	600	9.0	1.8	TO-220	SGP10N60A
IRG4BC20FD	600	9.0	1.8	TO-220	SKP10N60A
IRG4BC20FD-S	600	9.0	1.8	TO-263	SKB10N60A
IRG4BC20K	600	9.0	2.4	TO-220	SGP10N60A
IRG4BC20KD	600	9.0	2.4	TO-220	SKP10N60A
IRG4BC20KD-S	600	9.0	2.4	TO-263	SKB10N60A
IRG4BC20K-S	600	9.0	2.4	TO-263	SGB10N60A

International Rectifier (cont'd)

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
IRG4BC20MD	600	11.0	2.1	TO-220	SKP10N60A
IRG4BC20MD-S	600	11.0	2.1	TO-263	SKB10N60A
IRG4BC20U	600	6.5	1.9	TO-220	SGP06N60
IRG4BC20UD	600	6.5	1.9	TO-220	SKP06N60
IRG4BC20UD-S	600	6.5	1.9	TO-263	SKB06N60
IRG4BC20W	600	6.5	2.0	TO-220	SGP06N60
IRG4BC20W-S	600	6.5	2.0	TO-263	SGB06N60
IRG4BC30F	600	17.0	1.7	TO-220	SGP20N60
IRG4BC30K	600	16.0	2.4	TO-220	SGP15N60
IRG4BC30KD	600	16.0	2.4	TO-220	SKP15N60
IRG4BC30KD	600	16.0	2.4	TO-220	SKP15N60
IRG4BC30KD-S	600	16.0	2.4	TO-263	SKB15N60
IRg4BC30K-S	600	16.0	2.4	TO-263	SGB15N60
IRG4BC30U	600	12.0	2.1	TO-220	SGP15N60
IRG4BC30UD	600	12.0	2.1	TO-220	SKP10N60A
IRG4BC30U-S	600	12.0	2.1	TO-263	SGB10N60A
IRG4BC30W	600	12.0	2.0	TO-220	SGB10N60A
IRG4BC30W-S	600	12.0	2.0	TO-263	SGB10N60A
IRG4BC40F	600	27.0	1.6	TO-220	SGP30N60
IRG4BC40K	600	25.0	2.1	TO-220	SGP20N60
IRG4BC40U	600	20.0	1.7	TO-220	SGP20N60
IRG4BC40W	600	20.0	1.9	TO-220	SGP20N60
IRG4BH20K-S	1200	5.0	2.8	TO-263	SGB07N120
IRG4IBC10UD	600	3.9	2.3	TO-220 FullPAK	SKA04N60
IRG4IBC20KD	600	6.3	2.4	TO-220 FullPAK	SKA06N60
IRG4IBC20UD	600	6.0	1.9	TO-220 FullPAK	SKA06N60
IRG4PC30F	600	17.0	1.7	TO-247	SGW20N60
IRG4PC30K	600	16.0	2.4	TO-247	SGW15N60

International Rectifier (cont'd)

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
IRG4PC30U	600	12.0	2.1	TO-247	SGW15N60
IRG4PC30UD	600	12.0	2.1	TO-247	SKW15N60
IRG4PC30W	600	12.0	2.0	TO-247	SGW15N60
IRG4PC40F	600	27.0	1.6	TO-247	SGW30N60
IRG4PC40FD	600	27.0	1.6	TO-247	SKW30N60
IRG4PC40K	600	25.0	2.1	TO-247	SGW30N60
IRG4PC40KD	600	25.0	2.1	TO-247	SKW30N60
IRG4PC40U	600	20.0	1.7	TO-247	SGW20N60
IRG4PC40UD	600	20.0	1.7	TO-247	SKW20N60
IRG4PC40W	600	20.0	1.9	TO-247	SGW20N60
IRG4PC50K	600	30.0	1.8	TO-247	SGW30N60
IRG4PC50KD	600	30.0	1.8	TO-247	SKW30N60
IRG4PC50UD	600	27.0	1.6	TO-247	SKW30N60
IRG4PC50W	600	27.0	1.7	TO-247	SGW30N60
IRG4PF50W	1200	28.0	2.1	TO-247	IGW25T120
IRG4PF50WD	1200	28.0	2.1	TO-247	IKW25T120
IRG4PH20KD	1200	5.0	2.8	TO-247	SKW07N120
IRG4PH30K	1200	10.0	3.0	TO-247	SGW15N120
IRG4PH30KD	1200	10.0	3.0	TO-247	SKW15N120
IRG4PH40K	1200	15.0	2.5	TO-247	IGW15T120
IRG4PH40KD	1200	15.0	2.5	TO-247	SKW15N120
IRG4PH40U	1200	21.0	2.5	TO-247	IGW25T120
IRG4PH40UD	1200	21.0	2.5	TO-247	IKW25T120
IRG4PH50K	1200	24.0	2.5	TO-247	IGW25T120
IRG4PH50KD	1200	24.0	2.5	TO-247	SKW25N120
IRG4PH50S	1200	33.0	1.6	TO-247	IGW40T120
IRG4PH50U	1200	24.0	2.5	TO-247	IGW25T120
IRG4PH50UD	1200	24.0	2.5	TO-247	SKW25N120

International Rectifier (cont'd)

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
IRG4PSH71K	1200	42.0	2.6	Super TO-247	IGW40T120
IRG4PSH71KD	1200	42.0	2.6	Super TO-247	IKW40T120
IRG4RC10K	600	5.0	2.6	TO-252	SGD04N60
IRG4RC10KD	600	5.0	2.6	TO-252	SKD04N60
IRG4RC10U	600	5.0	2.3	TO-252	SGD04N60
IRG4RC10UD	600	5.0	2.3	TO-252	SKD04N60
IRGP20B120UD-E	1200	20.0	3.9	TO-247	SKW15N120
IRGP20B120U-E	1200	20.0	3.9	TO-247	SGW15N120
IRGP30B120KD-E	1200	30.0	3.0	TO-247	IKW25T120
IRGPS40B120U	1200	40.0	3.9	Super TO-247	IGW40T120
IRGPS40B120UD	1200	40.0	3.9	Super TO-247	IKW40T120

IXYS

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
IXDA20N120AS	1200	20.0	3.4	TO-263	SGB15N120
IXDH20N120	1200	20.0	2.5	TO-247	IGW25T120
IXDH20N120D1	1200	20.0	3.0	TO-247	SKW25N120
IXDH30N120	1200	30.0	2.9	TO-247	IGW40T120
IXDH30N120D1	1200	30.0	2.9	TO-247	IGW25T120
IXDH35N60B	600	35.0	2.7	TO-247	SGW30N60HS
IXDH35N60BD1	600	35.0	2.7	TO-247	SKW30N60
IXDP20N60B	600	20.0	2.8	TO-220	SGP20N60HS
IXDP20N60BD1	600	20.0	2.8	TO-220	SKB15N60
IXDP35N60B	600	35.0	2.7	TO-220	SGP30N60HS
IXGA12N100*	1000	12.0	3.5	TO-247	SGW10N60A
IXGA12N100*	1000	12.0	3.5	TO-263	SGB10N60A

IXYS (cont'd)

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
IXGA12N100A	1000	12.0	4.0	TO-220	SGP15N120
IXGA12N60BD1	600	12.0	2.7	TO-263	SKB15N60
IXGA12N60C	600	12.0	2.1	TO-263	SGB15N60
IXGA15N100C	1000	15.0	3.5	TO-263	SGB15N120
IXGA15N120B	1200	15.0	3.2	TO-263	SGB15N120
IXGA15N120C	1200	15.0	3.8	TO-263	SGB15N120
IXGA20N100	1000	20.0	2.2	TO-263	SGB20N60
IXGA20N60B	600	20.0	1.7	TO-263	SGB20N60
IXGA4N100	1000	4.0	2.2	TO-263	SGB04N60
IXGA7N60B	600	7.0	1.5	TO-263	SGB10N60A
IXGA7N60C	600	7.0	2.0	TO-263	SGB06N60
IXGA7N60CD1	600	7.0	2.0	TO-263	SKB10N60A
IXGA8N100	1000	8.0	2.7	TO-263	SGB06N60
IXGH12N100A	1000	12.0	4.0	TO-247	SGW15N120
IXGH12N100AU1	1000	12.0	4.0	TO-247	SKW15N120
IXGH12N100U1	1000	12.0	3.5	TO-247	SKW15N120
IXGH12N60B	600	12.0	2.1	TO-247	SGW15N60
IXGH12N60C	600	12.0	2.1	TO-247	SGW15N60
IXGH12N60CD1	600	12.0	2.1	TO-247	SKW15N60
IXGH12N60CD1	600	12.0	2.7	TO-247	SKW15N60
IXGH12N90C	900	12.0	3.0	TO-247	SGW15N120
IXGH15N120B	1200	15.0	3.2	TO-247	SGW15N120
IXGH15N120BD1	1200	15.0	3.2	TO-247	SKW15N120
IXGH15N120C	1200	15.0	3.8	TO-247	SGW15N120
IXGH15N120CD1	1200	15.0	3.8	TO-247	SKW15N120
IXGH17N100*	1000	17.0	3.5	TO-247	SGW15N60
IXGH17N100A	1000	17.0	3.5	TO-247	SGW15N120
IXGH17N100AU1	1000	17.0	4.0	TO-247	SKW15N120

IXYS (cont'd)

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
IXGH17N100U1	1000	17.0	3.5	TO-247	SKW15N60
IXGH20N100	1000	20.0	2.2	TO-247	SGW20N60
IXGH20N60B	600	20.0	1.7	TO-247	SGW20N60
IXGH20N60BD1	600	20.0	2.0	TO-247	SKW20N60
IXGH24N50B	500	24.0	2.3	TO-247	SGW30N60
IXGH24N60B	600	24.0	2.5	TO-247	SGW30N60
IXGH24N60C	600	24.0	2.1	TO-247	SGW30N60HS
IXGH24N60CD1	600	24.0	2.5	TO-247	SKW20N60
IXGH25N100*	1000	25.0	3.5	TO-247	SGW20N60
IXGH25N100A	1000	25.0	4.0	TO-247	SGW25N120
IXGH25N100AU1	1000	25.0	4.0	TO-247	SKW25N120
IXGH25N100U1	1000	25.0	1000.0	TO-247	SKW25N120
IXGH25N120	1200	25.0	3.0	TO-247	SGW20N60
IXGH28N30B	300	28.0	2.1	TO-247	SGW30N60
IXGH28N60B	600	28.0	2.0	TO-247	SGW30N60
IXGH28N60BD1	600	28.0	2.0	TO-247	SKW30N60
IXGH28N90B	900	28.0	2.2	TO-247	IGW40T120
IXGH30N60B	600	30.0	2.0	TO-247	SGW30N60HS
IXGH30N60BD1	600	30.0	1.8	TO-247	SKW30N60
IXGH30N60BU1	600	30.0	1.8	TO-247	SKW30N60
IXGH31N60	600	31.0	1.7	TO-247	SGW30N60
IXGH31N60D1	600	31.0	1.7	TO-247	SKW30N60
IXGH32N60A	600	32.0	2.9	TO-247	SGW30N60
IXGH32N60AU1	600	32.0	2.9	TO-247	SKW30N60
IXGH32N60B	600	32.0	2.5	TO-247	SGW30N60
IXGH32N60BD1	600	32.0	2.3	TO-247	SKW30N60
IXGH32N60BU1	600	32.0	2.3	TO-247	SKW30N60
IXGH32N60C	600	32.0	2.1	TO-247	SGW30N60HS

IXYS (cont'd)

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
IXGH32N60CD1	600	32.0	2.5	TO-247	SKW30N60
IXGH35N120B	1200	35.0	3.3	TO-247	IGW40T120
IXGH35N120C	1200	35.0	4.0	TO-247	IGW40T120
IXGH45N120	1200	45.0	2.5	TO-247	IGW60T120
IXGH50N60A	600	50.0	2.7	TO-247	IGW60T120
IXGH50N60B	600	50.0	2.5	TO-247	IGW60T120
IXGP12N100*	1000	12.0	3.5	TO-220	SGP10N60A
IXGP12N100A	1000	12.0	4.0	TO-263	SGB15N120
IXGP12N60C	600	12.0	2.1	TO-220	SGP15N60
IXGP12N60CD1	600	12.0	2.7	TO-220	SKP15N60
IXGP15N100C	1000	15.0	3.5	TO-220	SGP15N120
IXGP15N120B	1200	15.0	3.2	TO-220	SGP15N120
IXGP15N120C	1200	15.0	3.8	TO-220	SGP15N120
IXGP20N100	1000	20.0	2.2	TO-220	SGP20N60
IXGP20N60B	600	20.0	1.7	TO-220	SGP20N60
IXGP2N	1000	2.0	2.7	TO-220	SGP02N60
IXGP2N100A	1000	2.0	3.5	TO-220	SGP02N120
IXGP4N100	1000	4.0	2.2	TO-220	SGP04N60
IXGP7N60B	600	7.0	1.5	TO-220	SGP10N60A
IXGP7N60C	600	7.0	2.0	TO-220	SGP06N60
IXGP7N60CD1	600	7.0	2.0	TO-220	SKP10N60A
IXGP8N100	1000	8.0	2.7	TO-220	SGP06N60
IXGT15N120C	1200	15.0	3.8	TO-268	SGB15N120
IXSA12N60AU1	600	12.0	2.5	TO-263	SKB15N60
IXSA16N60	600	16.0	2.3	TO-263	SGB15N60
IXSH10N120A	1200	10.0	4.0	TO-247	SGW15N120
IXSH10N120AU1	1200	10.0	4.0	TO-247	SKW07N120
IXSH15N120B	1200	15.0	3.4	TO-247	SGW15N120

IXYS (cont'd)

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
IXSH15N120BD1	1200	15.0	3.4	TO-247	SKW15N120
IXSH16N60U1	600	16.0	2.3	TO-247	SKW15N60
IXSH20N60A	600	20.0	2.7	TO-247	SGW20N60HS
IXSH20N60B	600	20.0	2.5	TO-247	SGW20N60HS
IXSH24N60	600	24.0	2.2	TO-247	SGW15N60
IXSH24N60AU1	600	24.0	2.7	TO-247	SKW20N60
IXSH24N60U1	600	24.0	2.2	TO-247	SKW30N60
IXSH25N100	1000	25.0	3.5	TO-247	SGW25N120
IXSH25N100A	1000	25.0	3.5	TO-247	SGW25N120
IXSH25N120	1200	25.0	4.0	TO-247	SGW25N120
IXSH25N120AU1	1200	25.0	4.0	TO-247	SKW25N120
IXSH30N60	600	30.0	2.5	TO-247	SGW30N60
IXSH30N60AU1	600	30.0	3.0	TO-247	SKW30N60
IXSH30N60B	600	30.0	2.0	TO-247	SGW30N60
IXSH30N60BD1	600	30.0	2.0	TO-247	SKW30N60
IXSH30N60C	600	30.0	2.5	TO-247	SGW30N60HS
IXSH30N60CD1	600	30.0	2.5	TO-247	SKW30N60
IXSH30N60U1	600	30.0	2.5	TO-247	SKW30N60
IXSH35N100A	1000	35.0	3.5	TO-247	IGW40T120
IXSH35N120B	1200	35.0	3.6	TO-247	IGW40T120
IXSH45N120	1200	45.0	3.0	TO-247	IGW60T120
IXSH45N120B	1200	45.0	3.0	TO-247	IGW60T120
IXSP16N60	600	16.0	2.3	TO-220	SGP15N60

ON (previous Motorola)

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
MGP11N60E	600	11.0	2.0	TO-220	SGP10N60A
MGP11N60ED	600	11.0	2.0	TO-220	SKP10N60A
MGP14N60E	600	14.0	2.0	TO-220	SGP15N60
MGP15N60U	600	15.0	1.7	TO-220	SGP15N60
MGP15N60U	600	15.0	1.7	TO-220	SGP15N60
MGP21N60E	600	21.0	2.1	TO-220	SGP20N60
MGP4N60E	600	4.0	2.0	TO-220	SGP04N60
MGP4N60ED	600	4.0	2.0	TO-220	SKP04N60
MGP7N60E	600	7.0	2.0	TO-220	SGP06N60
MGP7N60ED	600	7.0	2.0	TO-220	SKP06N60
MGW12N120	1200	12.0	3.5	TO-247	IGW15T120
MGW12N120D	1200	12.0	3.8	TO-247	IKW15T120
MGW14N60ED	600	14.0	2.0	TO-247	SKW15N60
MGW20N120	1200	20.0	2.4	TO-247	IGW25T120
MGW21N60ED	600	21.0	2.0	TO-247	SKW20N60
MGW30N60	600	30.0	2.0	TO-247	SKW30N60
MGY20N120D	1200	20.0	2.4	TO-264	IKW25T120
MGY25N120	1200	25.0	2.2	TO-264	IGW25T120
MGY25N120D	1200	25.0	2.2	TO-264	IKW25T120

STMicroelectronics

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
STGB3NB60HD	600	3.0	1.9	TO-263	SKB04N60
STGB7NB60HD	600	7.0	1.9	TO-263	SKB06N60
STGD3NB60H	600	3.0	1.9	TO-252	SGD04N60
STGD3NB60K	600	3.0	1.9	TO-252	SGD04N60
STGD7NB60H	600	7.0	1.9	TO-252	SGD06N60
STGD7NB60K	600	7.0	1.9	TO-252	SGD06N60
STGP12NB60H	600	12.0	1.7	TO-220	SGP15N60
STGP20NB60H	600	20.0	1.9	TO-220	SGP20N60
STGP20NB60K	600	20.0	1.9	TO-220	SGP20N60
STGP3NB60H	600	3.0	1.9	TO-220	SGP04N60
STGP3NB60HD	600	3.0	1.9	TO-220	SKP04N60
STGP3NB60HDFP	600	3.0	1.9	TO-220 FullPAK	SKA04N60
STGP7NB60H	600	7.0	1.9	TO-220	SGP06N60
STGP7NB60HD	600	7.0	1.9	TO-220	SKP06N60
STGP7NB60HDFP	600	7.0	1.9	TO-220 FullPAK	SKA06N60
STGP7NB60K	600	7.0	1.9	TO-220	SGP06N60
STGW12NB60H	600	12.0	1.7	TO-247	SGW15N60
STGW12NB60HD	600	12.0	1.7	TO-247	SKW15N60
STGW20NB60H	600	20.0	1.9	TO-247	SGW20N60
STGW20NB60HD	600	20.0	1.9	TO-247	SKW20N60
STGW30NB60H	600	30.0	1.8	TO-247	SGW30N60
STGW30NB60HD	600	30.0	1.8	TO-247	SKW30N60

Toshiba

Product Name	V_{CE} [V]	I_C [A]	V_{CEsat} [V]	Package	Closest Infineon Equivalent
GT10J301	600	10.0	2.1	TO-3P(N)	SKW10N60A
GT10J303	600	10.0	2.1	TO-220 FullPAK	SKA06N60
GT10J311	600	10.0	2.1	TO-3P(SM)	SKW10N60A
GT10J312	600	10.0	2.1	TO-263	SKB06N60
GT10J321	600	10.0	2.0	TO-220 FullPAK	SKA06N60
GT10Q101	1200	10.0	2.1	TO-3P(N)	IGW08T120
GT10Q301	1200	10.0	2.1	TO-3P(N)	IKW08T120
GT15J101	600	15.0		TO-3P(N)	SGW10N60A
GT15J103	600	15.0		TO-263	SKB10N60A
GT15J311	600	15.0	2.1	TO-263	SKB10N60A
GT15J311	1200	10.0	2.1	TO-3P(SM)	IKW08T120
GT15N101	1000	15.0		TO-3P(N)	IGW08T120
GT15Q101	1200	15.0		TO-3P(N)	IGW08T120
GT15Q102	1200	15.0	2.1	TO-3P(N)	IGW08T120
GT15Q301	1200	15.0	2.1	TO-3P(N)	IKW08T120
GT20J101	600	20.0	2.1	TO-3P(N)	SGW15N60
GT20J301	600	20.0	2.1	TO-3P(N)	SKW15N60
GT20J311	600	20.0	2.1	TO-3P(SM)	SKW15N60
GT25H101	500	25.0		TO-3P(N)	SGW15N60
GT25J101	600	25.0		TO-3P(N)	SGW15N60
GT25Q101	1200	25.0		TO-3P(LH)	IGW15T120
GT25Q102	1000	25.0	2.1	TO-3P(LH)	IGW15T120
GT25Q301	600	25.0	2.1	TO-3P(LH)	SKW15N60
GT30J101	600	30.0	2.1	TO-3P(N)	SGW20N60
GT30J121	600	30.0	2.0	TO-3P(N)	SKW20N60
GT30J301	600	30.0	2.1	TO-3P(N)	SKW20N60
GT30J311	600	30.0	2.1	TO-3P(SM)	SKW20N60
GT30J322	600	30.0	2.8	TO-3P(IS)	SKW15N60

Toshiba (cont'd)

Product Name	V _{CE} [V]	I _C [A]	V _{CEsat} [V]	Package	Closest Infineon Equivalent
GT30J324	600	30.0	2.0	TO-3P(N)	SKW15N60
GT50J101	600	50.0		TO-3P(L)	SGW30N60
GT50J102	600	50.0	2.1	TO-3P(LH)	SGW30N60
GT50J102	600	50.0	2.7	TO-3P(LH)	SGW30N60
GT50J121	600	50.0	2.0	TO-3P(LH)	SKW30N60
GT50J301	600	50.0	2.1	TO-3P(LH)	SKW30N60
GT50J302	600	50.0	2.7	TO-3P(LH)	SKW30N60
GT50J322	600	50.0	2.8	TO-3P(LH)	SKW30N60
GT50J325	600	50.0	2.0	TO-3P(LH)	SKW30N60
GT5J301	600	5.0	2.1	TO-220 FullPAK	SKA04N60
GT5J311	600	5.0	2.1	TO-263	SKB04N60
GT5J321	600	5.0	2.0	TO-220 FullPAK	SKA04N60
GT80J101A	600	80.0	3.0	TO-3P(LH)	IGW40T120
GT8J101	600	8.0		TO-220 FullPAK	SKA04N60
GT8J102	600	8.0		TO-263	SKB04N60
GT8N101	1000	8.0		TO-3P(N)	IGW08T120
GT8Q101	1200	8.0		TO-3P(N)	IGW08T120
GT8Q102	1200	8.0		TO-263	IKW08T120

Fairchild

Product Name	V_{RRM} [V]	I_F [A] @ 125°C	Package	Closest Infineon Equivalent
DSP20U60DN	600	20	TO-220	IDP23E60
SDP30U60DN	600	30	TO-220	IDP30E60
SDS05U120S	1200	5	TO-220F	IDP04E120
SDS10U120S	1200	10	TO-220F	IDP09E120
SDS10U60DN	600	10	TO-220F	IDP09E60
SDS15U120S	1200	15	TO-220F	IDP12E120
SDS20U60DN	600	20	TO-220F	IDP23E60
SDS20U60S	600	20	TO-220F	IDP23E60
SDS30U60DN	600	30	TO-220F	IDP30E60
SDS30U60S	600	30	TO-220F	IDP30E60
SDW05U120S	1200	5	TO-263	IDB04E120
SDW10U129S	1200	10	TO-263	IDB09E120
SDW15U120S	1200	15	TO-263	IDB12E120
SDW20U60S	600	20	TO-263	IDB23E60
SDW30U60S	600	30	TO-263	IDB30E60

International Rectifier

Product Name	V_{RRM} [V]	I_F [A] @ 125°C	Package	Closest Infineon Equivalent
HFA04TB60	600	4	TO-220	IDP06E60
HFA04TB60S	600	4	TO-263	IDB06E60
HFA06TB120	1200	6	TO-220	IDP09E120
HFA08TB120	1200	8	TO-220	IDB09E120
HFA08TB120S	1200	8	TO-263	IDB09E120
HFA08TB60	600	8	TO-220	IDP06E60
HFA08TB60S	600	8	TO-263	IDB06E60
HFA15TB60	600	15	TO-220	IDP15E60
HFA15TB60S	600	15	TO-263	IDB15E60
HFA16TB120	1200	16	TO-220	IDB18E120
HFA16TB120S	1200	16	TO-263	IDB18E120
HFA25TB60	600	25	TO-220	IDP23E60
HFA25TB60S	600	25	TO-263	IDB23E60
HFA30TA60C	600	30	TO-220	IDP30E60

Intersil

Product Name	V_{RRM} [V]	I_F [A] @ 125°C	Package	Closest Infineon Equivalent
MUR8100E	1000	8	TO-220	IDP09E120
RHRP15100	1000	15	TO-220	IDP18E120
RHRP30100	1000	30	TO-220	IDP30E120
RHRP8100	1000	8	TO-220	IDP09E120
RURP15100	1000	15	TO-220	IDP18E120
RURP30100	1000	30	TO-220	IDP30E120
RURP8100E	1000	8	TO-220	IDP09E120

ON (previous Motorola)

Product Name	V_{RRM} [V]	I_F [A] @ 125°C	Package	Closest Infineon Equivalent
MUR10120E	1200	10	TO-220AC	IDP09E120
MUR10150E	1500	10	TO-220AC	IDP09E120
MUR1560	600	15	TO-220AC	IDP15E60
MUR860	600	8	TO-220AC	IDP09E60
MURH860CT	600	8	TO-220AB	IDB09E60

IXYS

Product Name	V_{RRM} [V]	I_F [A] @ 125°C	Package	Closest Infineon Equivalent
DSEI12-06A	600	14	TO-220AC	IDP15E60
DSEI12-10A	1000	12	TO-220AC	IDP12E120
DSEI12-12A	1200	11	TO-220AC	IDP12E120
DSEI20-12A	1200	17	TO-220AC	IDP20E120
DSEI36-06AS	600	37	TO-263AB	IDB45E60
DSEI6-06AS	600	6	TO-252AA	IDD06E60
DSEI8-06A	600	8	TO-220AC	IDP09E60
DSEI8-06AS	600	8	TO-263AB	IDB09E60
DSEP12-12A	1200	15	TO-220AC	IDP12E120
DSEP15-06AS	600	15	TO-220AC	IDP15E60
DSEP29-06A	600	30	TO-220AC	IDP30E60
DSEP29-06AS	600	30	TO-263AB	IDB30E60
DSEP29-06B	600	30	TO-220AC	IDP30E60
DSEP29-12A	1200	30	TO-220AC	IDP30E120
DSEP6-06AS	600	6	TO-252AA	IDD06E60
DSEP8-06A	600	10	TO-220AC	IDP09E60
DSEP8-06B	600	10	TO-220AC	IDP09E60
DSEP8-12A	1200	10	TO-220AC	IDP09E120

STMicroelectronics

Product Name	V_{RRM} [V]	I_F [A] @ 125°C	Package	Closest Infineon Equivalent
BYT08P1000	1000	8	TO-220AC	IDP09E120
BYT12P1000	1000	12	TO-220AC	IDP12E120
STTA1206D	600	12	TO-220AC	IDP15E60
STTA1206G	600	12	TO-263	IDB15E60
STTA1212D	1200	12	TO-220AC	IDP12E120
STTA306B	600	3	TO-252	IDD03E60
STTA312B	1200	3	TO-263	IDB03E120
STTA506B	600	5	TO-252	IDD06E60
STTA506D	600	5	TO-220AC	IDP06E60
STTA512B	1200	5	TO-263	IDB04E120
STTA512D	1200	5	TO-220AC	IDP04E120
STTA806D	600	8	TO-220AC	IDP09E60
STTA806G	600	8	TO-263	IDB09E60
STTA812D	1200	8	TO-220AC	IDP09E120
STTA812G	1200	8	TO-263	IDB09E120
STTH1506D	600	15	TO-220AC	IDP15E60
STTH806CT	600	8	TO-220AB	IDP09E60

Fairchild

Competitor Information		Infineon CoolSET™ closest equivalent Information					
Product Name	Package	Closest Infineon Equivalent	V_{DS} [V]	$R_{DS(on)}$ [Ω]	$P_{max}^{1)}$ [W]	f_{OPER} [kHz]	Infineon Package
FSDH0165	P-DIP-8	ICE2A0565	650	6.0	15	100	P-DIP-8
KA1H0680	TO-3P(5)	ICE2A765P	650	0.5	180	100	TO-220 ISO
KA1L0380	TO-220F/P(4)	ICE2B365	650	0.45	47	67	P-DIP-8
KA1L0880	TO-3P(5)	ICE2B765P	650	0.5	180	67	TO-220 ISO
KA1M0680	TO-3P(5)	ICE2B765P	650	0.5	180	67	TO-220 ISO
KA1M0680R	TO-3P(5)	ICE2B765P	650	0.5	180	67	TO-220 ISO
KA1M0765R	TO-3P(5)	ICE2B765P	650	0.5	180	67	TO-220 ISO
KA1M0765RC	TO-220(5)	ICE2B765P	650	0.5	180	67	TO-220 ISO
KA1M0880	TO-3P(5)	ICE2B765P	650	0.5	180	67	TO-220 ISO
KA1M1265R	TO-3P(5)	ICE2B765P	650	0.5	180	67	TO-220 ISO
KA2S0680	TO-3P(5)	ICE2B765P	650	0.5	180	67	TO-220 ISO
KA2S0880	TO-3P(5)	ICE2B765P	650	0.5	180	67	TO-220 ISO
KA5H0165R	TO-220F/P(4)	ICE2A0565	650	6.0	15	100	P-DIP-8
KA5H0165RN	P-DIP-8	ICE2A0565	650	6.0	15	100	P-DIP-8
KA5H0265R	TO-220F/P(4)	ICE2A265	650	1.0	34	100	P-DIP-8
KA5H0280R	TO-220F/P(4)	ICE2A280	800	0.8	37	100	P-DIP-8
KA5H0365R	TO-220F/P(4)	ICE2A365	650	0.45	47	100	P-DIP-8
KA5H0380R	TO-220F/P(4)	ICE2A365	650	0.45	47	100	P-DIP-8
KA5H0565R	TO-220F/P(4)	ICE2A765P	650	0.5	180	100	TO-220 ISO
KA5L0165R	TO-220F/P(4)	ICE2A0565	650	6.0	15	100	P-DIP-8
KA5L0165RN	P-DIP-8	ICE2A0565	650	6.0	15	100	P-DIP-8
KA5L0265R	TO-220F/P(4)	ICE2B265	650	1.0	34	67	P-DIP-8
KA5L0365R	TO-220F/P(4)	ICE2B365	650	0.45	47	67	P-DIP-8
KA5L0380R	TO-220F/P(4)	ICE2B365	650	0.45	47	67	P-DIP-8
KA5M0165R	TO-220F/P(4)	ICE2A0565	650	6.0	15	100	P-DIP-8
KA5M0165RN	P-DIP-8	ICE2A0565	650	6.0	15	100	P-DIP-8
KA5M0265R	TO-220F/P(4)	ICE2B265	650	1.0	34	67	P-DIP-8

Fairchild (cont'd)

Competitor Information		Infineon CoolSET™ closest equivalent Information					
Product Name	Package	Closest Infineon Equivalent	V_{DS} [V]	$R_{DS(on)}$ [Ω]	$P_{max}^{1)}$ [W]	f_{OPER} [kHz]	Infineon Package
KA5M0280R	TO-220F/P(4)	ICE2A280	800	0.8	37	100	P-DIP-8
KA5M0365R	TO-220F/P(4)	ICE2B365	650	0.45	47	67	P-DIP-8
KA5M0380R	TO-220F/P(4)	ICE2B365	650	0.45	47	67	P-DIP-8
KA5M0565R	TO-220F/P(4)	ICE2B765P	650	0.5	180	67	TO-220 ISO
KA5M0965R	TO-3P(5)	ICE2B765P	650	0.5	180	67	TO-220 ISO
KA5Q0680RT	TO-220F/P(5)	ICE2B765P	650	0.5	180	67	TO-220 ISO
KA5Q0765RT	TO-220F/P(5)	ICE2A765P	650	0.5	180	100	TO-220 ISO
KA5Q0880RF	TO-3P/F(5)	ICE2B765P	650	0.5	180	67	TO-220 ISO
KA5Q0965RF	TO-3P/F(5)	ICE2B765P	650	0.5	180	67	TO-220 ISO
KA5Q0965RT	TO-3P/F(5)	ICE2A765P	650	0.5	180	100	TO-220 ISO
KA5Q12656RT	TO-220F/P(5)	ICE2A765P	650	0.5	180	100	TO-220 ISO
KA5S0765C	TO-220(5)	ICE2B765P	650	0.5	180	67	TO-220 ISO
KA5S0965	TO-3P(5)	ICE2B765P	650	0.5	180	67	TO-220 ISO
KA5S09654QT	TO-220F/P(5)	ICE2B765P	650	0.5	180	67	TO-220 ISO
KA5S12656	TO-3P(5)	ICE2B765P	650	0.5	180	67	TO-220 ISO
KA5S12656	TO-3P(5)	ICE2B765P	650	0.5	180	67	TO-220 ISO
TDA16831	P-DIP-8	ICE2A0565	650	6.0	15	100	P-DIP-8

¹⁾ **For Infineon Devices:**

For P-DIP-8 & P-DSO14/16: with 6 cm² copper area on PCB

For P-TO-220: an adequate HS ($R_{th} = 2.7$ K/W)

For all: wide range @ $V_{ACin} = 85$ V; $T_A = 50^\circ\text{C}$; $T_J = 125^\circ\text{C}$

Infineon (previous Siemens)

Competitor Information		Infineon CoolSET™ closest equivalent Information					
Product Name	Package	Closest Infineon Equivalent	V_{DS} [V]	$R_{DS(on)}$ [Ω]	$P_{max}^{1)}$ [W]	f_{OPER} [kHz]	Infineon Package
TDA16822	P-DIP-8	ICE2A165	650	3.0	21	100	P-DIP-8
TDA16831	P-DIP-8	ICE2A0565	650	6.0	15	100	P-DIP-8
TDA16831G	P-DSO-14	ICE2A0565	650	6.0	15	100	P-DIP-8
TDA16832	P-DIP-8	ICE2A165	650	3.0	21	100	P-DIP-8
TDA16832G	P-DSO-14	ICE2A0565	650	6.0	15	100	P-DIP-8
TDA16833	P-DIP-8	ICE2A265	650	1.0	34	100	P-DIP-8
TDA16833G	P-DSO-14	ICE2A265	650	1.0	34	100	P-DIP-8
TDA16834	P-DIP-8	ICE2A365	650	0.45	47	100	P-DIP-8

¹⁾ **For Infineon Devices:**

For P-DIP-8 & P-DSO14/16:with 6 cm² copper area on PCB

For P-TO-220:an adequate HS ($R_{th} = 2.7$ K/W)

For all:wide range @ $V_{ACin} = 85$ V; $T_A = 50^\circ\text{C}$; $T_J = 125^\circ\text{C}$

International Rectifier

Competitor Information		Infineon CoolSET™ closest equivalent Information					
Product Name	Package	Closest Infineon Equivalent	V_{DS} [V]	$R_{DS(on)}$ [Ω]	$P_{max}^{1)}$ [W]	f_{OPER} [kHz]	Infineon Package
IRIS4011	TO-220	ICE2B765P	650	0.5	180	67	TO-220 ISO
IRIS4011	TO-220	ICE2B765P	650	0.5	180	67	TO-220 ISO
IRIS4011K	TO-262	ICE2B765P	650	0.5	180	67	TO-220 ISO
IRIS4011K	TO-262	ICE2B765P	650	0.5	180	67	TO-220 ISO
IRIS4013	TO-220	ICE2B765P	650	0.5	180	67	TO-220 ISO
IRIS4013	TO-220	ICE2B765P	650	0.5	180	67	TO-220 ISO
IRIS4013K	TO-262	ICE2B765P	650	0.5	180	67	TO-220 ISO
IRIS4013K	TO-262	ICE2B765P	650	0.5	180	67	TO-220 ISO
IRIS4015	TO-220	ICE2B765P	650	0.5	180	67	TO-220 ISO
IRIS4015	TO-220	ICE2B765P	650	0.5	180	67	TO-220 ISO

International Rectifier (cont'd)

Competitor Information		Infineon CoolSET™ closest equivalent Information					
Product Name	Package	Closest Infineon Equivalent	V_{DS} [V]	$R_{DS(on)}$ [Ω]	$P_{max}^{1)}$ [W]	f_{OPER} [kHz]	Infineon Package
IRIS4015K	TO-262	ICE2A765P	650	0.5	180	100	TO-220 ISO
IRIS4015K	TO-262	ICE2B765P	650	0.5	180	67	TO-220 ISO

¹⁾ **For Infineon Devices:**

For P-DIP-8 & P-DSO14/16:with 6 cm² copper area on PCB

For P-TO-220:an adequate HS ($R_{th} = 2.7$ K/W)

For all:wide range @ $V_{ACin} = 85$ V; $T_A = 50^\circ\text{C}$; $T_J = 125^\circ\text{C}$

Philips

Competitor Information		Infineon CoolSET™ closest equivalent Information					
Product Name	Package	Closest Infineon Equivalent	V_{DS} [V]	$R_{DS(on)}$ [Ω]	$P_{max}^{1)}$ [W]	f_{OPER} [kHz]	Infineon Package
TEA1520P	P-DIP-8	ICE2A0565	650	6.0	15	100	P-DIP-8
TEA1520T	P-DSO-14	ICE2A0565	650	6.0	15	100	P-DIP-8
TEA1521P	P-DIP-8	ICE2A0565	650	6.0	15	100	P-DIP-8
TEA1521T	P-DSO-14	ICE2A0565	650	6.0	15	100	P-DIP-8
TEA1522AJM	DBS9P	ICE2A0565	650	6.0	15	100	P-DIP-8
TEA1522P	P-DIP-8	ICE2A0565	650	6.0	15	100	P-DIP-8
TEA1522T	P-DSO-14	ICE2A0565	650	6.0	15	100	P-DIP-8
TEA1523AJM	DBS9P	ICE2A0565	650	6.0	15	100	P-DIP-8
TEA1523P	P-DIP-8	ICE2A0565	650	6.0	15	100	P-DIP-8
TEA1523T	P-DSO-14	ICE2A0565	650	6.0	15	100	P-DIP-8
TEA1524AJM	DBS9P	ICE2A165	650	3.0	21	100	P-DIP-8
TEA1524AJM	DBS9P	ICE2B165	650	3.0	21	67	P-DIP-8
TEA1524P	P-DIP-8	ICE2A165	650	3.0	21	100	P-DIP-8
TEA1524P	P-DIP-8	ICE2B165	650	3.0	21	67	P-DIP-8

¹⁾ **For Infineon Devices:**

For P-DIP-8 & P-DSO14/16:with 6 cm² copper area on PCB

For P-TO-220:an adequate HS ($R_{th} = 2.7$ K/W)

For all:wide range @ $V_{ACin} = 85$ V; $T_A = 50^\circ\text{C}$; $T_J = 125^\circ\text{C}$

Power Integration

Competitor Information		Infineon CoolSET™ closest equivalent Information					
Product Name	Package	Closest Infineon Equivalent	V_{DS} [V]	$R_{DS(on)}$ [Ω]	$P_{max}^{1)}$ [W]	f_{OPER} [kHz]	Infineon Package
TOP221P	P-DIP-8	ICE2A0565	650	6.0	15	100	P-DIP-8
TOP221Y	TO-220	ICE2A0565	650	6.0	15	100	P-DIP-8
TOP222P	P-DIP-8	ICE2A0565	650	6.0	15	100	P-DIP-8
TOP222Y	TO-220	ICE2A165	650	3.0	21	100	P-DIP-8
TOP223P	P-DIP-8	ICE2A165	650	3.0	21	100	P-DIP-8
TOP223Y	TO-220	ICE2A265	650	1.0	34	100	P-DIP-8
TOP224P	P-DIP-8	ICE2A165	650	3.0	21	100	P-DIP-8
TOP224Y	TO-220	ICE2A365	650	0.45	47	100	P-DIP-8
TOP225Y	TO-220	ICE2A765P	650	0.5	180	100	TO-220 ISO
TOP226Y	TO-220	ICE2A765P	650	0.5	180	100	TO-220 ISO
TOP227Y	TO-220	ICE2A765P	650	0.5	180	100	TO-220 ISO
TOP232P	P-DIP-8	ICE2A0565	650	6.0	15	100	P-DIP-8
TOP232Y	TO-220	ICE2A165	650	3.0	21	100	P-DIP-8
TOP233P	P-DIP-8	ICE2A165	650	3.0	21	100	P-DIP-8
TOP233Y	TO-220	ICE2A265	650	1.0	34	100	P-DIP-8
TOP234P	P-DIP-8	ICE2A165	650	3.0	21	100	P-DIP-8
TOP234Y	TO-220	ICE2A365	650	0.45	47	100	P-DIP-8
TOP242P	P-DIP-8	ICE2A0565	650	6.0	15	100	P-DIP-8
TOP242Y	TO-220	ICE2A165	650	3.0	21	100	P-DIP-8
TOP243P	P-DIP-8	ICE2A165	650	3.0	21	100	P-DIP-8
TOP243Y	TO-220	ICE2A265	650	1.0	34	100	P-DIP-8
TOP244P	P-DIP-8	ICE2A165	650	3.0	21	100	P-DIP-8
TOP244Y	TO-220	ICE2A365	650	0.45	47	100	P-DIP-8
TOP245Y	TO-220	ICE2A765P	650	0.5	180	100	TO-220 ISO
TOP246Y	TO-220	ICE2A765P	650	0.5	180	100	TO-220 ISO
TOP247Y	TO-220	ICE2A765P	650	0.5	180	100	TO-220 ISO

Power Integration (cont'd)

Competitor Information		Infineon CoolSET™ closest equivalent Information					
Product Name	Package	Closest Infineon Equivalent	V_{DS} [V]	$R_{DS(on)}$ [Ω]	$P_{max}^{1)}$ [W]	f_{OPER} [kHz]	Infineon Package
TOP248Y	TO-220	ICE2A765P	650	0.5	180	100	TO-220 ISO
TOP249Y	TO-220	ICE2A765P	650	0.5	180	100	TO-220 ISO

¹⁾ **For Infineon Devices:**

For P-DIP-8 & P-DSO14/16: with 6 cm² copper area on PCB

For P-TO-220: an adequate HS ($R_{th} = 2.7$ K/W)

For all: wide range @ $V_{ACin} = 85$ V; $T_A = 50^\circ\text{C}$; $T_J = 125^\circ\text{C}$

Sanken

Competitor Information		Infineon CoolSET™ closest equivalent Information					
Product Name	Package	Closest Infineon Equivalent	V_{DS} [V]	$R_{DS(on)}$ [Ω]	$P_{max}^{1)}$ [W]	f_{OPER} [kHz]	Infineon Package
STR-F6653	TO-220	ICE2B765P	650	0.5	180	67	TO-220 ISO
STR-F6653	TO-220	ICE2B765P	650	0.5	180	67	TO-220 ISO
STR-F6654	TO-220	ICE2B765P	650	0.5	180	67	TO-220 ISO
STR-F6654	TO-220	ICE2B765P	650	0.5	180	67	TO-220 ISO
STR-F6654	TO-220	ICE2B765P	650	0.5	180	67	TO-220 ISO
STR-F6654	TO-220	ICE2B765P	650	0.5	180	67	TO-220 ISO
STR-F6654	TO-220	ICE2B765P	650	0.5	180	67	TO-220 ISO
STR-F6654	TO-220	ICE2B765P	650	0.5	180	67	TO-220 ISO
STR-F6654	TO-220	ICE2B765P	650	0.5	180	67	TO-220 ISO
STR-G6551	TO-220FP (5)	ICE2A765P	650	0.5	180	100	TO-220 ISO
STR-G6651	TO-220FP (5)	ICE2B765P	650	0.5	180	67	TO-220 ISO
STR-S6707	TO-220	ICE2B765P	650	0.5	180	67	TO-220 ISO
STR-S6707	TO-220	ICE2B765P	650	0.5	180	67	TO-220 ISO
STR-S6707	TO-220	ICE2B765P	650	0.5	180	67	TO-220 ISO
STR-S6709	TO-220	ICE2B765P	650	0.5	180	67	TO-220 ISO
STR-S6709	TO-220	ICE2B765P	650	0.5	180	67	TO-220 ISO
STR-S6709	TO-220	ICE2B765P	650	0.5	180	67	TO-220 ISO
STR-X6400	TO-220FP (7)	ICE2B765P	650	0.5	180	67	TO-220 ISO

¹⁾ **For Infineon Devices:**
 For P-DIP-8 & P-DSO14/16: with 6 cm² copper area on PCB
 For P-TO-220: an adequate HS ($R_{th} = 2.7$ K/W)
 For all: wide range @ $V_{ACin} = 85$ V; $T_A = 50^\circ\text{C}$; $T_J = 125^\circ\text{C}$

STMicroelectronics

Competitor Information		Infineon CoolSET™ closest equivalent Information					
Product Name	Package	Closest Infineon Equivalent	V_{DS} [V]	$R_{DS(on)}$ [Ω]	$P_{max}^{1)}$ [W]	f_{OPER} [kHz]	Infineon Package
VIPer100	Pentawatt H.V.	ICE2A765P	650	0.5	180	100	TO-220 ISO
VIPer100	Pentawatt H.V.	ICE2B765P	650	0.5	180	67	TO-220 ISO
VIPer100A	Pentawatt H.V.	ICE2A765P	650	0.5	180	100	TO-220 ISO
VIPer100A	Pentawatt H.V.	ICE2B765P	650	0.5	180	67	TO-220 ISO
VIPer100ASP	PowerSO-10	ICE2A765P	650	0.5	180	100	TO-220 ISO
VIPer100ASP	PowerSO-10	ICE2B765P	650	0.5	180	67	TO-220 ISO
VIPer100B	Pentawatt H.V.	ICE2A765P	650	0.5	180	100	TO-220 ISO
VIPer100B	Pentawatt H.V.	ICE2B765P	650	0.5	180	67	TO-220 ISO
VIPer100BSP	PowerSO-10	ICE2A765P	650	0.5	180	100	TO-220 ISO
VIPer100BSP	PowerSO-10	ICE2B765P	650	0.5	180	67	TO-220 ISO
VIPer100SP	PowerSO-10	ICE2A765P	650	0.5	180	100	TO-220 ISO
VIPer100SP	PowerSO-10	ICE2B765P	650	0.5	180	67	TO-220 ISO
VIPer20	Pentawatt H.V.	ICE2A165	650	3.0	21	100	P-DIP-8
VIPer20	Pentawatt H.V.	ICE2B165	650	3.0	21	67	P-DIP-8
VIPer20A	Pentawatt H.V.	ICE2A165	650	3.0	21	100	P-DIP-8
VIPer20A	Pentawatt H.V.	ICE2B165	650	3.0	21	67	P-DIP-8
VIPer20ADIP	P-DIP-8	ICE2A165	650	3.0	21	100	P-DIP-8
VIPer20ADIP	P-DIP-8	ICE2B165	650	3.0	21	67	P-DIP-8
VIPer20ASP	PowerSO-10	ICE2A165	650	3.0	21	100	P-DIP-8
VIPer20ASP	PowerSO-10	ICE2B165	650	3.0	21	67	P-DIP-8
VIPer20B	Pentawatt H.V.	ICE2A165	650	3.0	21	100	P-DIP-8
VIPer20B	Pentawatt H.V.	ICE2B165	650	3.0	21	67	P-DIP-8
VIPer20BSP	PowerSO-10	ICE2A165	650	3.0	21	100	P-DIP-8
VIPer20BSP	PowerSO-10	ICE2B165	650	3.0	21	67	P-DIP-8
VIPer20DIP	P-DIP-8	ICE2A165	650	3.0	21	100	P-DIP-8
VIPer20DIP	P-DIP-8	ICE2B165	650	3.0	21	67	P-DIP-8
VIPer20SP	PowerSO-10	ICE2A165	650	3.0	21	100	P-DIP-8
VIPer20SP	PowerSO-10	ICE2B165	650	3.0	21	67	P-DIP-8
VIPer50	Pentawatt H.V.	ICE2B365	650	0.45	47	67	P-DIP-8

STMicroelectronics (cont'd)

Competitor Information		Infineon CoolSET™ closest equivalent Information					
Product Name	Package	Closest Infineon Equivalent	V_{DS} [V]	$R_{DS(on)}$ [Ω]	$P_{max}^{1)}$ [W]	f_{OPER} [kHz]	Infineon Package
VIPer50	Pentawatt H.V.	ICE2B365	650	0.45	47	67	P-DIP-8
VIPer50A	Pentawatt H.V.	ICE2B365	650	0.45	47	67	P-DIP-8
VIPer50A	Pentawatt H.V.	ICE2B365	650	0.45	47	67	P-DIP-8
VIPer50All	Pentawatt H.V. (022Y)	ICE2A765P	650	0.5	180	100	TO-220 ISO
VIPer50All	Pentawatt H.V. (022Y)	ICE2B765P	650	0.5	180	67	TO-220 ISO
VIPer50AllDIP	P-DIP-8	ICE2A365	650	0.45	47	100	P-DIP-8
VIPer50AllDIP	P-DIP-8	ICE2A365	650	0.45	47	100	P-DIP-8
VIPer50AllIFP	TO-220FP 5L	ICE2A765P	650	0.5	180	100	TO-220 ISO
VIPer50AllIFP	TO-220FP 5L	ICE2B765P	650	0.5	180	67	TO-220 ISO
VIPer50ASP	PowerSO-10	ICE2B365	650	0.45	47	67	P-DIP-8
VIPer50ASP	PowerSO-10	ICE2B365	650	0.45	47	67	P-DIP-8
VIPer50B	Pentawatt H.V.	ICE2B365	650	0.45	47	67	P-DIP-8
VIPer50B	Pentawatt H.V.	ICE2B365	650	0.45	47	67	P-DIP-8
VIPer50BSP	PowerSO-10	ICE2B365	650	0.45	47	67	P-DIP-8
VIPer50BSP	PowerSO-10	ICE2B365	650	0.45	47	67	P-DIP-8
VIPer50SP	PowerSO-10	ICE2B365	650	0.45	47	67	P-DIP-8
VIPer50SP	PowerSO-10	ICE2B365	650	0.45	47	67	P-DIP-8

¹⁾ **For Infineon Devices:**

For P-DIP-8 & P-DSO14/16:with 6 cm² copper area on PCB

For P-TO-220:an adequate HS ($R_{th} = 2.7$ K/W)

For all:wide range @ $V_{ACin} = 85$ V; $T_A = 50^\circ\text{C}$; $T_J = 125^\circ\text{C}$

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Dr. Ulrich Schumacher

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