



# CoolSET™ - F3 Cross Reference List

Competitor information			Infineon CoolSET™ - F3 closest equivalent information					
Company	Product Name	Package	Closest Infineon Equivalent	V <sub>DS</sub> [V]	R <sub>DS(on)</sub> [Ω]	P <sub>inmax</sub> [W]	f <sub>OPERATION</sub> [kHz]	Package
Fairchild	FS8S0765RCB	TO-220-5L	ICE3B5065P/ICE3A5065P	650	0.95	105	67/100	P-TO-220-6-47
Fairchild	FS8S0965RCB	TO-220-5L	ICE3B5065P/ICE3A5065P	650	0.95	105	67/100	P-TO-220-6-47
Fairchild	FSCM0765RC	TO-220-5L	ICE3B5065P	650	0.95	105	67	P-TO-220-6-47
Fairchild	FSCM0765RD	D2-PAK-5L	ICE3B3565I	650	1.55	83	67	P-TO-220-6-46
Fairchild	FSD200	7DIP	ICE3A0365	650	6.45	10	100	PG-DIP-8-6
Fairchild	FSD200M	7LSOP	ICE3A0365JG	650	6.45	10	100	P-DSO-16/12
Fairchild	FSD210	7DIP	ICE3A0365	650	6.45	10	100	PG-DIP-8-6
Fairchild	FSD210M	7LSOP	ICE3A0365JG	650	6.45	10	100	P-DSO-16/12
Fairchild	FSDH321	8DIP	ICE3A0365	650	6.45	10	100	PG-DIP-8-6
Fairchild	FSDH321L	8LSOP	ICE3A0365JG	650	6.45	10	100	P-DSO-16/12
Fairchild	FSDL0165RL	8LSOP	ICE3B0365JG	650	6.45	10	67	P-DSO-16/12
Fairchild	FSDL0165RN	8DIP	ICE3B0365	650	6.45	10	67	PG-DIP-8-6
Fairchild	FSDL0265RL	8LSOP	ICE3B0565JG	650	4.7	12	67	P-DSO-16/12
Fairchild	FSDL0265RN	8DIP	ICE3B0565	650	4.7	12	67	PG-DIP-8-6
Fairchild	FSDL0365RL	8LSOP	ICE3B1065	650	2.95	16	67	PG-DIP-8-6
Fairchild	FSDL0365RN	8DIP	ICE3B1065	650	2.95	16	67	PG-DIP-8-6
Fairchild	FSDL0365RNB	8DIP	ICE3B1065	650	2.95	16	67	PG-DIP-8-6
Fairchild	FSDL321	8DIP	ICE3B0565	650	4.7	12	67	PG-DIP-8-6
Fairchild	FSDL321L	8LSOP	ICE3B0365JG	650	6.45	10	67	P-DSO-16/12
Fairchild	FSDM0265RL	8LSOP	ICE3B0565JG	650	4.7	12	67	P-DSO-16/12
Fairchild	FSDM0265RN	8DIP	ICE3B0565	650	4.7	12	67	PG-DIP-8-6
Fairchild	FSDM0265RNB	8DIP	ICE3B0565	650	4.7	12	67	PG-DIP-8-6
Fairchild	FSDM0365RL	8LSOP	ICE3B1065	650	2.95	16	67	PG-DIP-8-6
Fairchild	FSDM0365RN	8DIP	ICE3B1065	650	2.95	16	67	PG-DIP-8-6
Fairchild	FSDM0365RNB	8DIP	ICE3B1065	650	2.95	16	67	PG-DIP-8-6
Fairchild	FSDM0565RB	TO-220F-6L	ICE3B3565P	650	1.55	83	67	P-TO-220-6-47
Fairchild	FSDM07652RB	TO-220F-6L	ICE3B3565P	650	1.55	83	67	P-TO-220-6-47
Fairchild	FSDM311	8DIP	ICE3B0365	650	6.45	10	67	PG-DIP-8-6
Fairchild	FSDM311L	8LSOP	ICE3B0365JG	650	6.45	10	67	P-DSO-16/12
Fairchild	KA5H0365R	TO-220F-4L	ICE3A2065P	650	3.0	50	100	P-TO-220-6-47
Fairchild	KA5L0365R	TO-220F-4L	ICE3B32065P	650	3.0	50	67	P-TO-220-6-47
Fairchild	KA5M0365R	TO-220F-4L	ICE3B32065P	650	3.0	50	67	P-TO-220-6-47
Infineon	ICE2A0565	P-DIP-8-6	ICE3A0565	650	4.70	12	100	PG-DIP-8-6
Infineon	ICE2A0565G	P-DSO-16/12	ICE3A0565JG	650	4.70	12	100	P-DSO-16/12
Infineon	ICE2A0565Z	P-DIP-7-1	ICE3A0565Z	650	4.70	12	100	PG-DIP-7-1
Infineon	ICE2A165	P-DIP-8-6	ICE3A1065	650	2.95	16	100	PG-DIP-8-6
Infineon	ICE2A265	P-DIP-8-6	ICE3A2065	650	0.92	28	100	PG-DIP-8-6
Infineon	ICE2A365	P-DIP-8-6	ICE3A2065I	650	3	50	100	P-TO-220-6-46
Infineon	ICE2B0565	P-DIP-8-6	ICE3B0565	650	4.70	12	67	PG-DIP-8-6
Infineon	ICE2B165	P-DIP-8-6	ICE3B1065	650	2.95	16	67	PG-DIP-8-6
Infineon	ICE2B265	P-DIP-8-6	ICE3B2065	650	0.92	28	67	PG-DIP-8-6
Infineon	ICE2B365	P-DIP-8-6	ICE3B2065I	650	3	50	67	P-TO-220-6-46
Philips	TEA1501	DIP8	ICE3B0365	650	6.45	10	67	PG-DIP-8-6
Philips	TEA1520P	DIP8	ICE3A0365	650	6.45	10	100	PG-DIP-8-6
Philips	TEA1520T	SO14	ICE3A0365JG	650	6.45	10	100	P-DSO-16/12
Philips	TEA1521P	DIP8	ICE3A0365	650	6.45	10	100	PG-DIP-8-6
Philips	TEA1521T	SO14	ICE3A0365JG	650	6.45	10	100	P-DSO-16/12
Philips	TEA1522AJM	DBS9P	ICE3A0365	650	6.45	10	100	PG-DIP-8-6
Philips	TEA1522P	DIP8	ICE3A0365	650	6.45	10	100	PG-DIP-8-6
Philips	TEA1522T	SO14	ICE3A0365JG	650	6.45	10	100	P-DSO-16/12
Philips	TEA1523AJM	DBS9P	ICE3A0365	650	6.45	10	100	PG-DIP-8-6
Philips	TEA1523P	DIP8	ICE3A0365	650	6.45	10	100	PG-DIP-8-6
Philips	TEA1523T	SO14	ICE3A0365JG	650	6.45	10	100	P-DSO-16/12
Philips	TEA1524AJM	DBS9P	ICE3A1065	650	2.95	16	100	PG-DIP-8-6



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Philips	TEA1524P	DIP8	ICE3A1065	650	2.95	16	100	PG-DIP-8-6
Philips	TEA1620P	DIP8	ICE3B0365/ICE3A0365	650	6.45	10	67/100	PG-DIP-8-6
Philips	TEA1622P	DIP8	ICE3B0365/ICE3A0365	650	6.45	10	67/100	PG-DIP-8-6
Philips	TEA1623P	DIP8	ICE3B0365/ICE3A0365	650	6.45	10	67/100	PG-DIP-8-6
Philips	TEA1623PH	DIP16	ICE3B0365/ICE3A0365	650	6.45	10	67/100	PG-DIP-8-6
Power Integrations	TNY253G	SMD-8B	ICE3B0365JG	650	6.45	10	67	P-DSO-16/12
Power Integrations	TNY253P	DIP-8B	ICE3B0365	650	6.45	10	67	PG-DIP-8-6
Power Integrations	TNY254G	SMD-8B	ICE3B0365JG	650	6.45	10	67	P-DSO-16/12
Power Integrations	TNY254P	DIP-8B	ICE3B0365	650	6.45	10	67	PG-DIP-8-6
Power Integrations	TNY255G	SMD-8B	ICE3A0365JG	650	6.45	10	100	P-DSO-16/12
Power Integrations	TNY255P	DIP-8B	ICE3A0365	650	6.45	10	100	PG-DIP-8-6
Power Integrations	TNY256G	SMD-8	ICE3A0365JG	650	6.45	10	100	P-DSO-16/12
Power Integrations	TNY256P	DIP-8	ICE3A0365	650	6.45	10	100	PG-DIP-8-6
Power Integrations	TNY256Y	TO-220-7B	ICE3A0565	650	4.7	12	100	PG-DIP-8-6
Power Integrations	TNY263G	SMD-8B	ICE3A0365JG	650	6.45	10	100	P-DSO-16/12
Power Integrations	TNY263P	DIP-8B	ICE3A0365	650	6.45	10	100	PG-DIP-8-6
Power Integrations	TNY264G	SMD-8B	ICE3A0365JG	650	6.45	10	100	P-DSO-16/12
Power Integrations	TNY264P	DIP-8B	ICE3A0365	650	6.45	10	100	PG-DIP-8-6
Power Integrations	TNY265G	SMD-8B	ICE3A0365JG	650	6.45	10	100	P-DSO-16/12
Power Integrations	TNY265P	DIP-8B	ICE3A0365	650	6.45	10	100	PG-DIP-8-6
Power Integrations	TNY266G	SMD-8B	ICE3A0365JG	650	6.45	10	100	P-DSO-16/12
Power Integrations	TNY266P	DIP-8B	ICE3A0365	650	6.45	10	100	PG-DIP-8-6
Power Integrations	TNY267G	SMD-8B	ICE3A0365JG	650	6.45	10	100	P-DSO-16/12
Power Integrations	TNY267P	DIP-8B	ICE3A0565	650	6.45	10	100	PG-DIP-8-6
Power Integrations	TNY268G	SMD-8B	ICE3A0565JG	650	4.7	12	100	P-DSO-16/12
Power Integrations	TNY268P	DIP-8B	ICE3A0565	650	4.7	12	100	PG-DIP-8-6
Power Integrations	TOP200YAI	TO-220/3	ICE3A0565	650	4.7	12	100	PG-DIP-8-6
Power Integrations	TOP201YAI	TO-220/3	ICE3A1565	650	1.7	20	100	PG-DIP-8-6
Power Integrations	TOP202YAI	TO-220/3	ICE3A2065	650	0.92	28	100	PG-DIP-8-6
Power Integrations	TOP203YAI	TO-220/3	ICE3A2065P	650	3.0	50	100	P-TO-220-6-47
Power Integrations	TOP204YAI	TO-220/3	ICE3A3065P	650	2.10	62	100	P-TO-220-6-47
Power Integrations	TOP209G	SMD-8	ICE3B0365JG	650	6.45	10	67	P-DSO-16/12
Power Integrations	TOP209P	DIP-8	ICE3B0365	650	6.45	10	67	PG-DIP-8-6
Power Integrations	TOP210G	SMD-8	ICE3A0365JG	650	6.45	10	100	P-DSO-16/12
Power Integrations	TOP210PFI	DIP-8	ICE3A0365	650	6.45	10	100	PG-DIP-8-6
Power Integrations	TOP214YAI	TO-220/3	ICE3A2065P	650	3.0	50	100	P-TO-220-6-47
Power Integrations	TOP221G	SMD-8	ICE3B0365JG/ICE3A0365JG	650	6.45	10	67/100	P-DSO-16/12
Power Integrations	TOP221P	DIP-8	ICE3B0365/ICE3A0365	650	6.45	10	67/100	PG-DIP-8-6
Power Integrations	TOP221Y	TO-220/3	ICE3B0365/ICE3A0365	650	6.45	10	67/100	PG-DIP-8-6
Power Integrations	TOP222G	SMD-8	ICE3B0365JG/ICE3A0365JG	650	6.45	10	67/100	P-DSO-16/12
Power Integrations	TOP222P	DIP-8	ICE3B0365/ICE3A0365	650	6.45	10	67/100	PG-DIP-8-6
Power Integrations	TOP222Y	TO-220/3	ICE3B1065/ICE3A1065	650	2.95	16	67/100	PG-DIP-8-6
Power Integrations	TOP223G	SMD-8	ICE3B0365JG/ICE3A0365JG	650	6.45	10	67/100	P-DSO-16/12
Power Integrations	TOP223P	DIP-8	ICE3B0365/ICE3A0365	650	6.45	10	67/100	PG-DIP-8-6
Power Integrations	TOP223Y	TO-220/3	ICE3B2565/ICE3A2565	650	0.65	33	67/100	PG-DIP-8-6
Power Integrations	TOP224G	SMD-8	ICE3B0565JG/ICE3A0565JG	650	4.7	12	67/100	P-DSO-16/12
Power Integrations	TOP224P	DIP-8	ICE3B0565/ICE3A0565	650	4.7	12	67/100	PG-DIP-8-6
Power Integrations	TOP224Y	TO-220/3	ICE3B2065P/ICE3A2065P	650	3.0	50	67/100	P-TO-220-6-47
Power Integrations	TOP225Y	TO-220/3	ICE3B2065P/ICE3A2065P	650	3.0	50	67/100	P-TO-220-6-47
Power Integrations	TOP226Y	TO-220/3	ICE3B2065P/ICE3A2065P	650	3.0	50	67/100	P-TO-220-6-47
Power Integrations	TOP227Y	TO-220/3	ICE3B3065P/ICE3A3065P	650	2.1	62	67/100	P-TO-220-6-47
Power Integrations	TOP232G	SMD-8B	ICE3B0365JG/ICE3A0365JG	650	6.45	10	67/100	P-DSO-16/12
Power Integrations	TOP232P	DIP-8B	ICE3B0365/ICE3A0365	650	6.45	10	67/100	PG-DIP-8-6
Power Integrations	TOP232Y	TO-220-7B	ICE3B1565/ICE3A1565	650	1.7	20	67/100	PG-DIP-8-6
Power Integrations	TOP233G	SMD-8B	ICE3B0365JG/ICE3A0365JG	650	6.45	10	67/100	P-DSO-16/12



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Company	Product Name	Package	Closest Infineon Equivalent	V <sub>DS</sub> [V]	R <sub>DS(on)</sub> [Ω]	P <sub>inmax</sub> <sup>*)</sup> [W]	f <sub>OPERATION</sub> [kHz]	Package
Power Integrations	TOP233P	DIP-8B	ICE3B0365/ICE3A0365	650	6.45	10	67/100	PG-DIP-8-6
Power Integrations	TOP233Y	TO-220-7B	ICE3B2565/ICE3A2565	650	0.65	33	67/100	PG-DIP-8-6
Power Integrations	TOP234G	SMD-8B	ICE3B0565JG/ICE3A0565JG	650	4.7	12	67/100	P-DSO-16/12
Power Integrations	TOP234P	DIP-8B	ICE3B0565/ICE3A0565	650	4.7	12	67/100	PG-DIP-8-6
Power Integrations	TOP234Y	TO-220-7B	ICE3B2065P/ICE3A2065P	650	3.0	50	67/100	P-TO-220-6-47
Power Integrations	TOP242F	TO-262-7C	ICE3B1065/ICE3A1065	650	2.95	16	67/100	PG-DIP-8-6
Power Integrations	TOP242G	SMD-8B	ICE3B0365JG/ICE3A0365JG	650	6.45	10	67/100	P-DSO-16/12
Power Integrations	TOP242P	DIP-8B	ICE3B0365/ICE3A0365	650	6.45	10	67/100	PG-DIP-8-6
Power Integrations	TOP242R	TO-263-7C	ICE3B1065/ICE3A1065	650	2.95	16	67/100	PG-DIP-8-6
Power Integrations	TOP242Y	TO-220-7C	ICE3B1065/ICE3A1065	650	2.95	16	67/100	PG-DIP-8-6
Power Integrations	TOP243F	TO-262-7C	ICE3B2565/ICE3A2565	650	0.65	33	67/100	PG-DIP-8-6
Power Integrations	TOP243G	SMD-8B	ICE3B0365JG/ICE3A0365JG	650	6.45	10	67/100	P-DSO-16/12
Power Integrations	TOP243P	DIP-8B	ICE3B0365/ICE3A0365	650	6.45	10	67/100	PG-DIP-8-6
Power Integrations	TOP243R	TO-263-7C	ICE3B2565/ICE3A2565	650	0.65	33	67/100	PG-DIP-8-6
Power Integrations	TOP243Y	TO-220-7C	ICE3B2565/ICE3A2565	650	0.65	33	67/100	PG-DIP-8-6
Power Integrations	TOP244F	TO-262-7C	ICE3B2065/ICE3A2065I	650	3.0	50	67/100	P-TO-220-6-46
Power Integrations	TOP244G	SMD-8B	ICE3B0565JG/ICE3A0565JG	650	4.70	12	67/100	P-DSO-16/12
Power Integrations	TOP244P	DIP-8B	ICE3B0565/ICE3A0565	650	4.7	12	67/100	PG-DIP-8-6
Power Integrations	TOP244R	TO-263-7C	ICE3B2065/ICE3A2065	650	0.92	28	67/100	PG-DIP-8-6
Power Integrations	TOP244Y	TO-220-7C	ICE3B2065P/ICE3A2065P	650	3.0	50	67/100	P-TO-220-6-47
Power Integrations	TOP245F	TO-262-7C	ICE3B3065I/ICE3A3065I	650	2.1	62	67/100	P-TO-220-6-46
Power Integrations	TOP245P	DIP-8B	ICE3B1065/ICE3A1065	650	2.95	16	67/100	PG-DIP-8-6
Power Integrations	TOP245R	TO-263-7C	ICE3B2565/ICE3A2565	650	0.65	33	67/100	PG-DIP-8-6
Power Integrations	TOP245Y	TO-220-7C	ICE3B2065P/ICE3A2065P	650	3.0	50	67/100	P-TO-220-6-47
Power Integrations	TOP246F	TO-262-7C	ICE3B3065I/ICE3A3065I	650	2.1	62	67/100	P-TO-220-6-46
Power Integrations	TOP246P	DIP-8B	ICE3B1565/ICE3A1565	650	1.7	20	67/100	PG-DIP-8-6
Power Integrations	TOP246R	TO-263-7C	ICE3B2065I/ICE3A2065I	650	3.0	50	67/100	P-TO-220-6-46
Power Integrations	TOP246Y	TO-220-7C	ICE3B3065P/ICE3A3065P	650	2.1	62	67/100	P-TO-220-6-47
Power Integrations	TOP247F	TO-262-7C	ICE3B3565I/ICE3A3565I	650	1.55	83	67/100	P-TO-220-6-46
Power Integrations	TOP247R	TO-263-7C	ICE3B2065I/ICE3A2065I	650	3.0	50	67/100	P-TO-220-6-46
Power Integrations	TOP247Y	TO-220-7C	ICE3B3565P/ICE3A3565P	650	1.55	83	67/100	P-TO-220-6-47
Power Integrations	TOP248F	TO-262-7C	ICE3B3565I/ICE3A3565I	650	1.55	83	67/100	P-TO-220-6-46
Power Integrations	TOP248R	TO-263-7C	ICE3B2065I/ICE3A2065I	650	3.0	50	67/100	P-TO-220-6-46
Power Integrations	TOP248Y	TO-220-7C	ICE3B3565P/ICE3A3565P	650	1.55	83	67/100	P-TO-220-6-47
Power Integrations	TOP249F	TO-262-7C	ICE3B5065I/ICE3A5065I	650	0.95	105	67/100	P-TO-220-6-46
Power Integrations	TOP249R	TO-263-7C	ICE3B3065I/ICE3A3065I	650	2.10	62	67/100	P-TO-220-6-46
Power Integrations	TOP249Y	TO-220-7C	ICE3B5065P/ICE3A5065P	650	0.95	105	67/100	P-TO-220-6-47
Power Integrations	TOP250F	TO-262-7C	ICE3B5065I/ICE3A5065I	650	0.95	105	67/100	P-TO-220-6-46
Power Integrations	TOP250R	TO-263-7C	ICE3B3065I/ICE3A3065I	650	2.10	62	67/100	P-TO-220-6-46
Power Integrations	TOP250Y	TO-220-7C	ICE3B5065P/ICE3A5065P	650	0.95	105	67/100	P-TO-220-6-47
ST-Microelectronics	VIPer100/(022Y)	Pentawatt HV	ICE3B3065P/ICE3A3065P	650	2.1	62	67/100	P-TO-220-6-47
ST-Microelectronics	VIPer100A/(022Y)	Pentawatt HV	ICE3B3065P/ICE3A3065P	650	2.1	62	67/100	P-TO-220-6-47
ST-Microelectronics	VIPer100ASP	PowerSO-10	ICE3B2565/ICE3A2565	650	0.65	33	67/100	PG-DIP-8-6
ST-Microelectronics	VIPer100SP	PowerSO-10	ICE3B2565/ICE3A2565	650	0.65	33	67/100	PG-DIP-8-6
ST-Microelectronics	VIPer12ADIP	DIP-8	ICE3B0365	650	6.45	10	67	PG-DIP-8-6
ST-Microelectronics	VIPer12AS	SO-8	ICE3B0365JG	650	6.45	10	67	P-DSO-16/12
ST-Microelectronics	VIPer20/(022Y)	Pentawatt HV	ICE3B1065/ICE3A1065	650	2.95	16	67/100	PG-DIP-8-6
ST-Microelectronics	VIPer20A/(022Y)	Pentawatt HV	ICE3B1065/ICE3A1065	650	2.95	16	67/100	PG-DIP-8-6
ST-Microelectronics	VIPer20ADIP	DIP-8	ICE3B0365/ICE3A0365	650	6.45	10	67/100	PG-DIP-8-6
ST-Microelectronics	VIPer20ASP	PowerSO-10	ICE3B1065/ICE3A1065	650	2.95	16	67/100	PG-DIP-8-6
ST-Microelectronics	VIPer20DIP	DIP-8	ICE3B0365/ICE3A0365	650	6.45	10	67/100	PG-DIP-8-6
ST-Microelectronics	VIPer20SP	PowerSO-10	ICE3B1065/ICE3A1065	650	2.95	16	67/100	PG-DIP-8-6
ST-Microelectronics	VIPer22ADIP	DIP-8	ICE3B0365	650	6.45	10	67	PG-DIP-8-6
ST-Microelectronics	VIPer22AS	SO-8	ICE3B0365JG	650	6.45	10	67	P-DSO-16/12
ST-Microelectronics	VIPer50/(022Y)	Pentawatt HV	ICE3B2065/ICE3A2065	650	0.65	28	67/100	PG-DIP-8-6



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ST-Microelectronics	VIPer50A/(022Y)	Pentawatt HV	ICE3B2065/ICE3A2065	650	0.65	28	67/100	PG-DIP-8-6
ST-Microelectronics	VIPer50ASP	Pentawatt HV	ICE3B2065/ICE3A2065	650	0.65	28	67/100	PG-DIP-8-6
ST-Microelectronics	VIPer50SP	Pentawatt HV	ICE3B2065/ICE3A2065	650	0.65	28	67/100	PG-DIP-8-6
ST-Microelectronics	VIPer53DIP	DIP-8	ICE3B2065/ICE3A2065	650	0.65	28	67/100	PG-DIP-8-6
ST-Microelectronics	VIPer53EDIP	DIP-8	ICE3B2065/ICE3A2065	650	0.92	28	67/100	PG-DIP-8-6
ST-Microelectronics	VIPer53ESP	PowerSO-10	ICE3B2065I/ICE3A2065I	650	3.0	50	67/100	P-TO-220-6-46
ST-Microelectronics	VIPer53SP	PowerSO-10	ICE3B2065I/ICE3A2065I	650	3.0	50	67/100	P-TO-220-6-46

\*) For Infineon devices in DIP-7, DIP-8 & SO-16, T<sub>a</sub> = 75°C, T<sub>j</sub> = 125°C and without copper area as heatsink  
 For Infineon devices in TO-220, T<sub>a</sub> = 50°C, T<sub>j</sub> = 125°C and R<sub>thCA</sub> ( external heatsink ) = 2.7K/W.

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Closest equivalent reference is based upon other manufacturers' published and our best estimation regarding possible maximum output power which depends on the combined parameters of given on-resistance, thermal resistance, ambient temperature and package used.

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