

MOSFETs

MOSFETs are versatile workhorses in power electronics. When reliable switching, low on-resistance, and a compact footprint are needed, our portfolio provides the performance and reliability required for industrial and automotive applications. MCC's array of MOSFETs includes AEC-Q101 qualified solutions, as well as efficient package options in diverse configurations and power ranges.

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Automotive Products

Automotive MOSFETs

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)	
MCMN2014HE3	DFN2020-6LE	N	0.74	12	±8	15		0.009	0.011	0.40	1.10	1791	No
SI2102AHE3	SOT-323	N	0.35	20	±10	2		0.08	0.098	0.50	1.10	210	No
SI2312HE3	SOT-23	N	0.35	20	±8	5		0.0318	0.0356	0.45	1.00	865	No
2SK3019HE3	SOT-523	N	0.15	30	±20	0.115	4	5	7	0.80	1.50	28	Yes
SI3400AHE3	SOT-23	N	1.3	30	±12	5.8	0.027	0.033	0.051	0.70	1.20	630	No
SI3404HE3	SOT-23	N	1.2	30	±20	5.8	0.028	0.042		1.00	3.00	820	No
SIL3400AHE3	SOT23-6L	N	1.8	30	±12	5.8	0.026	0.033		0.50	1.50	580	No
SI02N04AKHE3	SOT-23	N	1.1	40	±20	2.5	0.091	0.135		1.00	2.50	150	Yes
MCG30N04HE3	DFN3333	N	24	40	±20	30	0.014	0.0185		1.00	2.50	990	No
MCAC30N04HE3	DFN5060	N	35.7	40	±20	30	0.016	0.02		1.00	2.50	967	No
MCACD30N04HE3	PDFN5060-8D	N+N	35	40	±20	30	0.015	0.023		1.00	2.50	1030	No
MCG35N04HE3	DFN3333	N	40	40	±20	35	0.008	0.013		1.00	2.50	2000	No
MCU40N04HE3	DPAK	N	56	40	±20	40	0.013	0.023		1.00	2.50	1000	No
MCACD50N04YHE3	PDFN5060-8D	N+N	42	40	±20	50	0.0051	0.008		1.00	2.00	1392	No
MCACD55N04YHE3	PDFN5060-8D	N+N	60	40	±20	55	0.0085			2.00	4.00	935	No
MCAC60N04HE3	DFN5060	N	50	40	±20	60	0.007			1.00	2.50	2023	No
MCAC75N04YHE3	DFN5060	N	74	40	±20	75	0.0068			2.00	4.00	1000	No
MCAC130N04YHE3	DFN5060	N	150	40	±20	130	0.00175	0.0025		1.20	2.50	7400	No
MCAC180N04YHE3	DFN5060	N	115	40	±20	180	0.002			2.00	4.00	4380	No
MCB220N04YHE3	D2-PAK	N	250	40	±20	220	0.0015			2.00	4.00	7864	No
MCACL220N04YHE3	DFN5060-C	N	125	40	±20	220	0.0013	0.002		1.00	2.50	7216	No
MCBS220N04YHE3	TO-263-7	N	250	40	±20	220	0.0011			2.00	4.00	7967	No
MCTL270N04YHE3	TOLL-8L	N	468	40	±20	270	0.0013	0.0028		2.00	4.00	8010	No
MCACL280N04YHE3	DFN5060-C	N	197	40	±20	280	0.0008			2.00	4.00	5413	No
MCACL320N04YQ	DFN5060-C	N	230	40	±20	320	0.0011			2.00	3.00	6914	No
MCTL320N04YQ	TOLL-8L	N	214	40	±20	320	0.0011			2.00	3.00	6914	No
MCB180N04YHE3	D2-PAK	N	150	40	±20	180	0.0025			2.00	4.00	4650	No
BSS138AHE3	SOT-23	N	0.62	50	±20	0.22	1.6	2.5	3.8	0.80	1.45	29	Yes
BSS138AKDWHE3	SOT-363	N+N	0.32	50	±20	0.22	1.6	2.5	3.8	0.80	1.45	29.5	Yes
2N7002KDWBQ	SOT-363	N+N	0.24	60	±20	0.22	2.5	3		0.80	2.40	25	Yes
2N7002KDQ	SOT-23	N	0.526	60	±20	0.3	2			1.10	2.40	25	Yes
2N7002KHE3	SOT-23	N	0.35	60	±20	0.34	2.5	3		1.00	2.50	40	Yes
2N7002KWHE3	SOT-323	N	0.2	60	±20	0.34	2.5	3		1.00	2.00	40	Yes
SI2310AHE3	SOT-23	N	1.2	60	±20	3	0.1	0.12		0.90	2.00	409	No
SIL05N06HE3	SOT23-6L	N	1.8	60	±20	5	0.043	0.047		1.00	3.00	1175	No
MCG18N06HE3	DFN3333	N	19.8	60	±20	18	0.03	0.035		1.00	2.50	1200	No
MCU20N06BHE3	DPAK	N	40	60	±20	20	0.043	0.047		1.00	2.50	1135	No
MCACD20N06HE3	PDFN5060-8D	N+N	35.7	60	±20	20	0.03	0.04		1.00	2.50	1191	No
MCAC30N06HE3	DFN5060	N	45	60	±20	30	0.021	0.026		1.00	2.50	2450	No
MCU50N06AHE3	DPAK	N	59.5	60	±20	50	0.015	0.018		1.00	2.50	2515	No
MCACD50N06YHE3	PDFN5060-8D	N+N	69	60	±20	50	0.009	0.013		1.00	2.50	2100	No
MCG53N06AHE3	DFN3333	N	45	60	±20	53	0.0082	0.012		1.50	2.50	1850	No
MCAC53N06YHE3	DFN5060	N	69	60	±20	53	0.0075	0.0095		1.20	2.50	2100	No
MCG60N06YHE3	DFN3333	N	60	60	±20	60	0.006	0.0083		1.00	2.50	1666	No

Automotive Products

Automotive MOSFETs

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)	
MCACD60N06YHE3	PDFN5060-8D	N+N	50	60	±20	60	0.0065	0.009		1.00	2.50	1740	No
MCAC65N06YHE3	DFN5060	N	100	60	±20	65	0.0052	0.0078		1.00	2.50	1740	No
MCU75N06YHE3	DPAK	N	100	60	±20	75	0.0048	0.0071		1.00	2.50	1698	No
MCU80N06AHE3	DPAK	N	78	60	±20	80	0.0075	0.01		1.20	2.50	2100	No
MCAC95N06YHE3	DFN5060	N	120	60	±20	95	0.0038	0.0045		1.20	2.20	5300	No
MCB200N06YHE3	D2-PAK	N	260	60	±20	200	0.0035	0.0045		1.00	2.50	6000	No
BSS123KHE3	SOT-23	N	0.78	100	±20	0.28	4.6	6		1.50	2.50	32	Yes
MCACD20N10YHE3	PDFN5060-8D	N+N	50	100	±20	20	0.022	0.027		1.00	2.50	1240	No
MCAC38N10YHE3	DFN5060	N	59	100	±20	38	0.019	0.023		1.00	2.50	1166	No
MCG40N10YHE3	DFN3333	N	43	100	±20	40	0.0185	0.0225		1.00	2.50	1220	No
MCU45N10HE3	DPAK	N	73.5	100	±20	45	0.017	0.0215		1.00	2.50	1165	No
MCAC60N10YAHE3	DFN5060	N	78	100	±20	60	0.01	0.013		1.00	2.80	2500	No
MCAC100N10YHE3	DFN5060	N	113	100	±20	100	0.0055			2.00	4.00	4700	No
MCBS260N10YHE3	TO-263-7	N	375	100	±20	260	0.0018			2.00	4.00	10589	No
MCTL300N10YHE3	TOLL-8L	N	375	100	±20	300	0.00155			2.10	3.90	10051	No
MCAC70N15YHE3	DFN5060	N	150	150	±20	70	0.017			2.00	4.00	2527	No
SIL2305CHE3	SOT23-6L	P	1.8	-20	±12	-5.6		0.04	0.055	-0.50	-1.00	770	No
SI2305CHE3	SOT-23	P	1.3	-20	±12	-5.4		0.04	0.055	-0.50	-1.00	770	No
SIL3415CHE3	SOT23-6L	P	1	-20	±10	-5		0.045		-0.50	-1.25	540	Yes
SI2305BHE3	SOT-23	P	1.4	-20	±10	-4.2		0.06	0.08	-0.50	-0.90	770	No
SI3415CHE3	SOT-23	P	1	-20	±10	-3.9		0.04	0.075	-0.55	-1.25	540	Yes
SI2301AHE3	SOT-23	P	1	-20	±10	-3.4		0.051	0.067	-0.40	-1.00	438	No
SI2101AHE3	SOT-323	P	0.3	-20	±10	-1.2		0.13	0.17	-0.30	-1.00	210	No
SI3401AHE3	SOT-23	P	1.2	-30	±12	-4.2	0.06	0.07	0.085	-0.70	-1.30	1050	No
SI3407HE3	SOT-23	P	1.3	-30	±20	-4.1	0.049	0.065		-1.00	-2.40	592	No
MCAC50P04HE3	DFN5060	P	96	-40	±20	-50	0.013	0.02		-1.00	-2.50	3302	No
MCU50P04AHE3	DPAK	P	83	-40	±20	-50	0.015	0.02		-1.00	-2.50	3302	No
MCG25P05YHE3	DFN3333	P	74	-48	±20	-25	0.045	0.061		-1.50	-2.70	1024	No
MCAC80P06YHE3	DFN5060	P	120	-60	±18	-80	0.008			-2.00	-4.00	5300	No
MCU50P06YHE3	DPAK	P	89	-60	±20	-50	0.012	0.016		-1.00	-3.00	4600	No
MCG08P06HE3	DFN3333-8	P	20.8	-60	±20	-8	0.0284	0.0393		-1.00	-3.00	4346	No
BSS84HE3	SOT-23	P	0.5	-60	±20	-0.2	3.6	4.7		-0.90	-2.00	27	No
MCAC25P10YHE3	DFN5060	P	88	-100	±20	-25	0.055	0.062		-1.00	-2.50	2077	No
MCU18P10YHE3	DPAK	P	73.5	-100	±20	-18	0.11	0.12		-1.00	-2.50	1014	No
MCG15P10YHE3	DFN3333	P	50	-100	±20	-15	0.11	0.12		-1.00	-2.50	1100	No
MCU15P10YHE3	DPAK	P	50	-100	±20	-15	0.12			-2.00	-4.00	920	No
MCACD12NP10YHE3	PDFN5060-8D	N+P	104/-69	100/-100	±20	40/-12	0.024/0.115	0.030/0.138		1.2/-1.2	2.5/-2.5	1270.0/1120.0	No
SIL2429HE3	SOT23-6L	N+P	0.67	20/-20	±10	2.0/-1.6		0.057/0.120	0.075/0.165	0.55/-0.4	1.1/-1.0	188.0/214.0	No

Small Signal MOSFETs

N-Channel MOSFETs

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)	
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)		
SI3134KL3A	DFN1006-3	N	0.9	20	±12	0.750		0.3	0.35		0.35	1.1	33	Yes
SI3134KL3B	DFN1006-3A	N	0.9	20	±10	0.750		0.25	0.34		0.35	1.2	33	Yes
SI3134KS	SOT-23	N	0.35	20	±12	0.750		0.3	0.4		0.35	1.1	33	Yes
SI3134KWA	SOT-323	N	0.2	20	±12	0.750		0.3	0.4		0.5	1.1	33	Yes
SI3134KDW	SOT-363	N+N	0.15	20	±12	0.750		0.3	0.4		0.5	1.1	33	Yes
SI3134KEA	SOT-523	N	0.18	20	±12	0.750		0.3	0.4		0.5	1.1	33	Yes
SIX3134KA	SOT-563	N+N	0.18	20	±12	0.750		0.3	0.4		0.5	0.95	33	Yes
SI3134KA	SOT-723	N	0.15	20	±12	0.750		0.3	0.4		0.35	1.1	33	Yes
SI2124DW	SOT-363	N+N	0.15	20	±10	1.500		0.09	0.105		0.55	1.1	220	No
SI2302	SOT-23	N	1.56	20	±8	3.000		0.027	0.037		0.65	1.2	388	No
SI2302A	SOT-23	N	1.25	20	±8	3.000		0.072	0.11		0.65	1.2	237	No
SI2302B	SOT-23	N	1.1	20	±10	3.000		0.05	0.07		0.55	1.1	190	No
SIL2322A	SOT23-6L	N+N	1.25	20	±8	3.000		0.03	0.04		0.55	1.25	500	No
SI2102A	SOT-323	N	120	20	±10	3.000		0.07	0.098		0.55	1	220	No
SIL2300	SOT23-6L	N+N	1.25	20	±10	4.000		0.025	0.032		0.45	1	620	No
SI2300	SOT-23	N	1	20	±10	4.500		0.025	0.038		0.5	0.9	482	No
SI2312	SOT-23	N	1.25	20	±8	5.000		0.0318	0.0356		0.45	1	865	No
SI2312A	SOT-23	N	0.35	20	±8	5.000		0.025	0.033		0.5	0.9	865	No
SI3420A	SOT-23	N	1.25	20	±10	6.000		0.028	0.035		0.5	1	888	No
SI2312B	SOT-23	N	1.25	20	±10	6.800		0.021	0.03		0.5	0.9	500	No
SI8810	SOT-23	N	1.3	20	±12	7.000	0.02	0.022	0.026		0.4	0.9	1150	Yes
SIL2300A	SOT23-6L	N+N	1.5	20	±10	7.000		0.018	0.022		0.45	1	900	No
SIL08N02	SOT23-6L	N	1.5	20	±10	8.000		0.017	0.021		0.45	1	900	No
MCMN2012A	DFN2020-6JA	N	13.8	20	±10	12.000		0.013	0.018		0.35	1	863	No
MCMN2014A	DFN2020-6J	N	40	20	±10	13.000		0.009	0.012		0.5	1.1	1302	No
2SK3018	SOT-323	N	0.2	30	±20	0.100			13		0.8	1.5	13	Yes
2SK3019	SOT-523	N	0.15	30	±20	0.100			13		0.8	1.5	13	Yes
2SK3019A	SOT-523	N	0.15	30	±20	0.100		8			0.8	1.5	13	Yes
MC3541A	SOT-723	N	0.27	30	±20	0.300	3	4	8		0.8	1.45	28	Yes
SI0301	SOT-23	N	0.83	30	±8	0.500		0.75	0.93		0.5	1	54	Yes
UM6K1NA	SOT-363	N+N	0.3	30	±20	0.500	0.75	0.96			0.7	1.5	28	Yes
UM6K1NA-TPQ2	SOT-363	N+N	0.3	30	±20	0.500	0.75	0.96			0.7	1.5	28	Yes
UM6X1NA	SOT-563	N+N	0.15	30	±20	0.500	0.75	0.96			0.7	1.5	28	Yes
2SK3020	SOT-723	N	0.2	30	±20	0.500	0.75	0.95			0.7	1.5	29	Yes
SI3099	SOT-23	N	0.83	30	±12	1.100	0.408	0.518	0.8		0.5	1.5	61	Yes
SI2304	SOT-23	N	1	30	±20	2.500	0.065	0.09			1	2	240	No
SI2306	SOT-23	N	0.75	30	±20	3.160	0.047	0.065			1	3	305	No
SI3402	SOT-23	N	1.3	30	±12	4.000	0.055	0.07	0.11		0.6	1.4	390	No
MCM3400A	DFN2020-6L	N+N	1.4	30	±12	5.000	0.032	0.038	0.045		0.7	1.5	1155	No
SI3400B	SOT-23	N	1	30	±12	5.600	0.028	0.03	0.055		0.6	1.5	34	No
SI3400	SOT-23	N	0.35	30	±12	5.800	0.035	0.04	0.052		0.7	1.4	1050	No
SI3400A	SOT-23	N	1.3	30	±12	5.800	0.027	0.033	0.051		0.7	1.2	1155	No
SI3404	SOT-23	N	1.2	30	±20	5.800	0.028	0.042			1	2.2	820	No
SIL3400A	SOT23-6L	N	2	30	±12	5.800	0.032	0.038	0.045		0.7	1.4	1155	No

Small Signal MOSFETs

N-Channel MOSFETs

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			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)	
SIL08N03	SOT23-6L	N	1.6	30	±20	8.000	0.014	0.016		1	3	900	No
MCM13N03	DFN2020-6LE	N	12.5	30	±20	13.000	0.012	0.015		1	2.5	1015	No
SI2318A	SOT-23	N	1.2	40	±20	5.000	0.045	0.06		0.8	1.8	330	No
SI0205	SOT-523	N	0.83	50	±8	0.200		4	4.3	0.3	0.8	24	Yes
BSS138	SOT-23	N	0.35	50	±20	0.220	2.5	3		0.8	1.5	27	No
BSS138A	SOT-23	N	0.35	50	±20	0.220	1.6	2.5	3.8	0.8	1.45	22.8	Yes
BSS138W	SOT-323	N	0.3	50	±20	0.220	3.5	6		0.8	1.5	27	No
BSS138AKDW	SOT-363	N+N	0.35	50	±20	0.220	2	2.5	4.5	0.8	1.45	22.8	Yes
BSS138AKDW-TPQ2	SOT-363	N+N	0.35	50	±20	0.220	2	2.5	4.5	0.8	1.45	22.8	Yes
BSS138BKDW	SOT-363	N+N	0.35	50	±20	0.220	1	1.1	1.6	0.8	1.45	22.8	Yes
BSS138BKDW-TPQ2	SOT-363	N+N	0.35	50	±20	0.220	1	1.1	1.6	0.8	1.45	22.8	Yes
BSS138KT	SOT-523	N	0.25	50	±20	0.250	1.6	2.5		0.5	1.5	22.8	Yes
BSS138BKT	SOT-523	N	0.27	50	±20	0.340	1.5	2.3	4.1	0.5	1.5	58	Yes
BSS138BKW	SOT-323	N	0.25	50	±20	0.370	1.5	2.3	4.1	0.5	1.5	58	Yes
BSS138BK	SOT-23	N	0.83	50	±20	0.590	1.5	2.3	4.1	0.5	1.5	58	Yes
BSS138B	SOT-23	N	0.83	50	±20	0.600	1.1	1.2		0.8	1.6	39	No
2N7002A	SOT-23	N	0.3	60	±30	0.115	3	4		1	2.5	50	No
2N7002W	SOT-323	N	0.2	60	±20	0.115	2.5	3		1	2	50	No
2N7002T	SOT-523	N	0.15	60	±20	0.115	13.5			1	2	50	No
2N7002V	SOT-563	N+N	0.15	60	±20	0.115	5			1	2.5	50	No
2N7002KL3A	DFN1006-3	N	0.2	60	±20	0.260	2.5	3		1	2.5	21	Yes
2N7002KS	SOT-23	N	0.35	60	±20	0.300	2.2	3		1	2.5	27	Yes
2N7002KT	SOT-523	N	0.3	60	±20	0.300	2.5	3		1	2.5	50	Yes
2N7002	SOT-23	N	1.08	60	±20	0.340	2.5	3		1	2.5	27.5	No
2N7002B	SOT-23	N	0.3	60	±30	0.340	3	4		1	2.5	50	No
2N7002K	SOT-23	N	0.83	60	±20	0.340	2.5	3		1	2.5	15	Yes
2N7002KA	SOT-23	N	0.35	60	±20	0.340	5	5.3		1	2.5	35	Yes
2N7002KW	SOT-323	N	0.2	60	±20	0.340	5	5.3		1	2	40	Yes
2N7002KWA	SOT-323	N	0.2	60	±20	0.340	2.5	3		1	2	40	Yes
2N7002DW	SOT-363	N+N	0.3	60	±20	0.340	2.5	3		1	2.5	50	No
2N7002DW-TPQ2	SOT-363	N+N	0.3	60	±20	0.340	2.5	3		1	2.5	50	No
2N7002KDW	SOT-363	N+N	0.3	60	±20	0.340	3	4		1	2.5	40	Yes
2N7002KDW-TPQ2	SOT-363	N+N	0.15	60	±20	0.340	3	4		1	2.5	40	Yes
2N7002KV	SOT-563	N+N	0.15	60	±20	0.340	5	5.3		1	2.5	40	Yes
2N7002KM	SOT-723	N	0.15	60	±20	0.340	4	4.5		1	2.5	40	Yes
2N7002C	SOT-23	N	0.83	60	±20	0.350	1	1.4		1.1	2.5	34	No
2N7002KL3	DFN1006-3	N	0.1	60	±20	0.410	1.5	1.8		1.3	2.3	80	Yes
SI2306K	SOT-23	N	0.96	60	±30	0.550	1.2	1.3		1	2.5	34	Yes
SI0103KW	SOT-323	N	0.33	60	±10	1.000		0.174	0.22	0.8	1	164	Yes
SI03N06	SOT-23	N	1.2	60	±20	3.000	0.08	0.095		0.9	2	400	No
SI2310	SOT-23	N	1.2	60	±20	3.000	0.105	0.125		0.5	2	247	No
SI2310A	SOT-23	N	1.2	60	±20	3.000	0.105	0.125		0.5	1.5	247	No
SI2310B	SOT-23	N	1.2	60	±16	3.000	0.105	0.125		0.5	1.3	247	No
MCA03N06	SOT-89	N	1.7	60	±20	3.000	0.1	0.12		0.65	1.55	340	No

Small Signal MOSFETs

N-Channel/P-Channel MOSFETs

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)	
MCM05N06	DFN2020-6J	N	12.5	60	±20	5.000	0.042	0.053		1	2.5	850	No
SL05N06	SOT-23-3L	N	2.5	60	±20	5.000	0.044	0.049		1	2.5	1018	No
SIL05N06A	SOT-23-6L	N	1.25	60	±20	5.000	0.043	0.047		1	2.5	1018	No
BSS123	SOT-23	N	0.35	100	±20	0.170	6	10		1	2.8	60	No
BSS123W	SOT-323	N	0.2	100	±20	0.170	6	10		1	2.8	60	No
BSS123K	SOT-23	N	0.78	100	±20	0.280	6	9		1.5	2.5	32	Yes
SI2324A	SOT-23	N	1.2	100	±20	2.000	0.28	0.3		1	2	390	No
SIL2324A	SOT-23-6L	N+N	1.5	100	±20	2.000	0.28	0.3		1	2	520	No
SI2392	SOT-23	N	0.9	100	±20	3.000	0.14	0.3		1	2.5	135	No
SIL03N10A	SOT-23-6L	N	1.5	100	±20	3.000	0.12	0.14		1.1	3	1070	No
SIL02N15A	SOT-23-6L	N	1.8	150	±20	2.000	0.29			1	2.5	666	No
SI2305	SOT-23	P	1.4	-8	±8	-4.100		0.045	0.06	-0.55	-0.9	740	No
SI2333	SOT-23	P	1.1	-12	±8	-6.000		0.028	0.04	-0.4	-1	1275	No
SI2333A	SOT-23	P	1.1	-15	±8	-5.600		0.04	0.053	-0.4	-1	740	No
MCM1216A	DFN2020-6JA	P	18	-20	±10	-16.000		0.017	0.021	-0.4	-1	2050	No
SI3139KL3B	DFN1006-3	P	0.328	-20	±12	-6.500		0.85	1.2	-0.35	-1.2	36	Yes
SI3415B5	SOT-23	P	1.3	-20	±10	-5.600		0.042	0.055	-0.5	-0.9	1180	Yes
SIL2305B	SOT-23-6L	P	2	-20	±10	-5.400		0.06	0.08	-0.5	-0.9	740	No
SI2305B	SOT-23	P	1.4	-20	±10	-4.200		0.039	0.049	-0.5	-0.9	821	No
SI3415	SOT-23	P	0.35	-20	±8	-4.000		0.05	0.06	-0.3	-1	1450	Yes
SI3415A	SOT-23	P	1.4	-20	±10	-4.000		0.045	0.06	-0.35	-0.9	950	Yes
SIL3415	SOT-23-6L	P	0.35	-20	±8	-4.000		0.05	0.06	-0.3	-1	1450	Yes
SI3415C	SOT-23	P	1	-20	±10	-3.900		0.04	0.075	-0.55	-1.25	540	Yes
MCM2301	DFN2020-6L	P+P	1.4	-20	±10	-3.800		0.055	0.075	-0.5	-0.9	492	No
SI2321	SOT-23	P	0.35	-20	±12	-2.900		0.057	0.076	-0.4	-0.9	715	No
SI2301	SOT-23	P	1.25	-20	±8	-2.800		0.12	0.15	-0.45	-1	880	No
SI2301A	SOT-23	P	1	-20	±8	-2.800		0.12	0.15	-0.5	-0.9	482	No
SIL2301	SOT-23-6L	P+P	1.25	-20	±8	-2.300		0.09	0.125	-0.4	-1	405	No
SI2101A	SOT-323	P	0.45	-20	±10	-2.000		0.13	0.17	-0.4	-1	290	No
SI2129DW	SOT-363	P+P	0.243	-20	±10	-1.000		0.14	0.165	-0.4	-1	327	No
SI3139KA	SOT-723	P	0.15	-20	±12	-0.660		0.85	1.2	-0.35	-1.1	40	Yes
SI3139KL3A	DFN1006-3	P	0.9	-20	±12	-0.650		0.85	1.2	-0.35	-1.2	40	Yes
SI3139KWA	SOT-323	P	0.15	-20	±12	-0.600		0.85	1.2	-0.35	-1.1	40	Yes
SI3139KDW	SOT-363	P+P	0.15	-20	±12	-0.600		0.85	1.2	-0.35	-1.1	40	Yes
SI3139KEA	SOT-523	P	0.15	-20	±12	-0.600		0.85	1.2	-0.35	-1.1	40	Yes
SIX3139KA	SOT-563	P+P	0.15	-20	±12	-0.600		0.85	1.2	-0.35	-1.1	40	Yes
SI3139KL3C	DFN1006-3	P	0.9	-20	±12	-0.500		0.85	1.2	-0.35	-1.2	36	Yes
SI3139KS	SOT-23	P	0.35	-20	±12	0.600		0.85	1.2	-0.35	-1.1	40	Yes
SL3007	SOT-23-3L	P	1.9	-30	±20	-7.000	0.025	0.036		-1	-2.5	1500	No
SL3401A	SOT-23-3L	P	1.5	-30	±12	-4.400	0.06	0.07	0.085	-0.7	-1.3	1050	No
SL3407	SOT-23-3L	P	1.5	-30	±20	-4.300	0.049	0.065		-1	-3	700	No
SI3401	SOT-23	P	1.3	-30	±12	-4.200	0.065	0.075	0.09	-0.7	-1.3	954	No
SI3401A	SOT-23	P	1.3	-30	±12	-4.200	0.06	0.07	0.085	-0.7	-1.3	1050	No
SI3407	SOT-23	P	1.3	-30	±20	-4.100	0.049	0.065		-1	-3	700	No

Small Signal MOSFETs

Power MOSFETs

P-Channel/N+P-Channel MOSFETs

N-Channel MOSFETs

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)	
SIL3407	SOT23-6L	P	1.6	-30	±20	-4.100	0.05	0.07		-1	-3	581	No
SI2303	SOT-23	P	1.3	-30	±20	-3.000	0.13	0.18		-1	-3	226	No
SIL2623A	SOT23-6L	P+P	1.25	-30	±20	-3.000	0.09	0.115		-1	-2.5	365	No
SI2307	SOT-23	P	1.1	-30	±20	-2.700	0.088	0.138		-1	-3	340	No
SI2319	SOT-23	P	1.25	-40	±20	-3.500	0.085	0.105		-1	-2.5	548	No
BSS84DW	SOT-363	P+P	0.45	-50	±20	-0.160	8			-0.9	-2	30	No
BSS84	SOT-23	P	0.225	-50	±20	-0.130	8			-0.9	-2	30	No
BSS84KW	SOT-323	P	0.225	-50	±20	-0.130	8			-0.9	-2	22	Yes
SIL04P06Y	SOT23-6L	P	1.56	-60	±20	-3.500	0.085	0.12		-1	-2.5	513	No
SL02P06Y	SOT-23-3L	P	1.3	-60	±20	-2.500	0.12	0.15		-1	-2.5	302	No
SI5618	SOT-23	P	0.83	-60	±20	-1.900	0.15	0.2		-1	-3	580	No
SI5618A	SOT-23	P	1.2	-60	±20	-1.600	0.16	0.24		-1	-2.5	429	No
BSS84KDW	SOT-363	P+P	0.42	-60	±20	-0.320	6	7		-1	-2	32	Yes
BSS84KT	SOT-523	P	0.27	-60	±20	-0.260	6	7		-1	-2	32	Yes
BSS84A	SOT-23	P	0.225	-60	±30	-0.170	8			-0.9	-2	30	No
BSS84K	SOT-23	P	0.225	-60	±20	-0.130	6	7		-0.8	-2.5	30	Yes
SL03P10	SOT-23-3L	P	0.83	-100	±20	-3.000	0.286	0.335		-1.1	-2	1010	No
SI01P10	SOT-23	P	0.77	-100	±20	-1.000	0.8	1		-1.5	-3	388	No
SI3439KDW	SOT-363	N+P	0.15	20/-20	±12	0.75/-0.6		0.3/0.85	0.4/1.2	0.35	1.1/-1.1	33/40	Yes
SIX3439KA	SOT-563	N+P	1.5	20/-20	±12	0.75/-0.6		0.3/0.85	0.4/1.2	0.5/-0.5	1.1/-1.1	33/40	Yes
SIX3439KA-TPQ2	SOT-563	N+P	1.5	20/-20	±12	0.75/-0.6		0.3/0.85	0.4/1.2	0.5/-0.5	1.1/-1.1	33/40	Yes
SIL3439KA	SOT23-6L	N+P	1.25	20/-20	±12	1.2/-1.0		0.3/0.85	0.4/1.2	0.35/-0.35	1.1/-1.1	33/40	Yes
SI2429DW	SOT-363	N+P	0.45	20/-20	±10	1.5/-1.0		0.09/0.150	0.105/0.180	0.55/-0.4	1.1/-1.0	202/223	No
SIL2308	SOT23-6L	N+P	1	20/-20	±8,±12	5/-4		0.025/0.064	0.032/0.080	0.5/-0.5	1.0/-1.0	800/405	No
MCMNP2065A	DFN2020-6L	N+P	1.6	20/-20	±10	6.0/-4.0		0.025/0.051	0.032/0.067	0.4/-0.4	1.0/-1.0	402/496	No
MCMNP2065	DFN2020-6L	N+P	1.6	20/-20	±10	6.0/-6.0		0.025/0.042	0.032/0.055	0.4/-0.4	1.0/-1.0	393/762	No
SIL3724A	SOT23-6L	N+P	2	30/-30	±20	4.5/-3.5	0.035/0.090	0.050/0.115		1.0/-1.0	2.5/-2.5	315/365	No
BSS8402DW	SOT-363	N+P	0.2	60/-50	±20	0.115/-0.13	2.0/8.0			1.0/-0.9	2.5/-2.0	50/30	No
MC7252KDW	SOT-363	N+P	0.15	60/-50	±20	0.34/-0.18	5.0/8.0	5.3		1.0/-0.9	2.5/-2.0	40/30	Yes
MC7252KDWA	SOT-363	N+P	0.15	60/-50	±20	0.34/-0.18	5.0/8.0	5.3		1.0/-0.9	2.5/-2.0	40/30	Yes

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)	
MCU30N02	DPAK	N	30	20	±10	30							No
MCU60N02	DPAK	N	35	20	±10	60							No
MCQD08N03B	SOP-8	N+N	1.6	30	±12	8	0.025	0.03	0.04				No
MCQD08N03A	SOP-8	N+N	2.35	30	±20	8.5	0.023	0.032					No
MCQ4406A	SOP-8	N	2.5	30	±20	12	0.012	0.015					No
MCQD12N03A	SOP-8	N+N	1.5	30	±20	12	0.012	0.015					No
MCQ16N03	SOP-8	N	2.5	30	±20	16	0.012	0.016					No
MCQ18N03	SOP-8	N	2.1	30	±20	18	0.007	0.01					No
MCG30N03A	DFN3333	N	20	30	±20	30	0.01	0.013					No
MCAC40N03A	DFN5060	N	35	30	±20	40	0.0075	0.0115					No
MCG50N03	DFN3333	N	30	30	±20	50	0.006	0.008					No
MCAC50N03	DFN5060	N	50	30	±20	50	0.0047	0.006					No
MCU50N03A	DPAK	N	50	30	±20	50	0.0073	0.0115					No
MCG65N03	DFN3333	N	45	30	±20	65	0.0032	0.004					No
MCAC68N03Y	DFN5060	N	41	30	±20	68	0.0072	0.0124					No
MCU80N03	DPAK	N	71	30	±20	80	0.004	0.006					No
MCU80N03A	DPAK	N	45	30	±20	80	0.0055	0.008					No
MCAC100N03Y	DFN5060	N	104	30	±20	100	0.003	0.0046					No
MCAC10H03A	DFN5060	N	96	30	±20	100	0.003	0.004					No
MCAC150N03A	DFN5060	N	75	30	±20	150	0.002	0.003					No
MCACL280N03Y	DFN5060	N	150	30	±20	280	0.0007	0.0012					No
MCQD07N04	SOP-8	N+N	2.1	40	±20	7	0.032	0.05					No
MCG20N04	DFN3333	N	24	40	±20	20	0.014	0.0185					No
MCGD25N04	DFN3333-D	N+N	3	40	±20	25	0.018	0.024					No
MCG35N04A	DFN3333	N	40	40	±20	35	0.008	0.013					No
MCG50N04	DFN3333	N	52	40	±20	50	0.004	0.0052					No
MCU60N04A	DPAK	N	70	40	±20	60	0.007	0.0096					No
MCAC80N04Y	DFN5060	N	104.2	40	±20	80	0.0026						No
MCAC100N04	DFN5060	N	75	40	±20	100	0.0035						No
MCU120N04	DPAK	N	110	40	±20	120	0.0035	0.0048					No
MCAC130N04	DFN5060	N	115	40	±20	130	0.00175	0.0025					No
MCB160N04Y	D2-PAK	N	156	40	±20	160	0.00185	0.0028					No
MCACL200N04Y	DFN5060-C	N	120	40	±20	200	0.00135	0.0021					No
MCACL200N04YA	DFN5060-C	N	156	40	±20	200	0.0013	0.002					No
MCB220N04Y	D2-PAK	N	250	40	±20	220	0.0015						No
MCBS220N04Y	TO-263-7	N	188	40	±20	220	0.0011						No
MCTL270N04Y	TOLL-8L	N	468	40	±20	270	0.0013						No
MCACL330N04Y	DFN5060-C	N	250	40	±20	330	0.00085						No
MCT03N06	SOT-223	N	2.1	60	±20	3	0.1	0.12					No
MCQD04N06	SOP-8	N+N	1.7	60	±20	4	0.075	0.09					No
MCT04N06	SOT-223	N	2	60	±20	4	0.088	0.096					No
MCQ4828A	SOP-8	N+N	1.6	60	±20	4.5	0.056	0.077					No
MCQD05N06	SOP-8	N+N	1.6	60	±20	5	0.035	0.045					No
MCT05N06	SOT-223	N	2.1	60	±20	5	0.035	0.045					No

Power MOSFETs

N-Channel MOSFETs

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)	
MCQD08N06	SOP-8	N+N	1.6	60	±20	8	0.022	0.028		1	3	2000	No
MCQ4438	SOP-8	N	2.1	60	±20	8.2	0.022	0.027		1	3	2306	No
MCQD09N06Y	SOP-8	N+N	1.7	60	±20	9	0.02	0.024		1	2.5	873	No
MCQ10N06Y	SOP-8	N	1.9	60	±20	10	0.019	0.022		1	2.5	873	No
MCQ12N06	SOP-8	N	2.5	60	±20	12	0.009	0.013		1.1	2.5	1815	No
MCU20N06A	DPAK	N	40	60	±20	20	0.03	0.033		1	2.5	1117	No
MCU20N06B	DPAK	N	40	60	±20	20	0.045	0.047		1	3	1117	No
MCU20N06C	DPAK	N	125	60	±20	20	0.037	0.048		1	2.5	821	No
MCAC30N06Y	DFN5060	N	45	60	±20	30	0.02	0.022		1	2.5	2371	No
MCU50N06A	DPAK	N	59.5	60	±20	50	0.015	0.018		1	2.5	2515	No
MCG53N06A	DFN3333	N	45	60	±20	53	0.0082	0.012		1	2.5	1850	No
MCAC53N06Y	DFN5060	N	69	60	±20	53	0.0075	0.0095		1.1	2.5	2062	No
MCG60N06Y	DFN3333	N	60	60	±20	60	0.006	0.0083		1	2.5	1666	No
MCU60N06	DPAK	N	83	60	±20	60	0.011			2	4	2220	No
MCAC60N06Y	PDFN5060-8D	N+N	50	60	±20	60	0.0065	0.009		1	2.5	1740	No
MCAC65N06Y	DFN5060	N	100	60	±20	65	0.0057	0.0078		1	2.5	1740	No
MCP65N06	TO-220AB(H)	N	104	60	±20	65	0.011			2	4	2220	No
MCAC75N06Y	DFN5060	N	75	60	±20	75	0.0056			2	4	1534	No
MCU75N06Y	DPAK	N	100	60	±20	75	0.0048	0.0075		1	2.5	1698	No
MCB80N06Y	D2-PAK	N	125	60	±20	80	0.0045	0.0065		1	2.5	1677	No
MCAC80N06Y	DFN5060	N	85	60	±20	80	0.0042	0.0052		1.2	2.5	3783	No
MCU80N06A	DPAK	N	68	60	±20	80	0.0075	0.0095		1.2	2	1990	No
MCAC85N06KY	DFN5060	N	113	60	±20	85	0.0037	0.005		1	2.5	4135	Yes
MCU90N06A	DPAK	N	110	60	±20	90	0.0072	0.0085		1	2.5	5377	No
MCP90N06Y	TO-220AB(H)	N	83	60	±20	90	0.0075	0.01		1	2.5	1949	No
MCAC95N06Y	DFN5060	N	120	60	±20	95	0.0025	0.0034		1.2	2.2	5300	No
MCAC95N06YB	DFN5060	N	120	60	±20	95	0.0029			2	4	4152	No
MCU95N06KY	DPAK	N	156	60	±20	95	0.0055	0.007		1	2.5	4050	Yes
MCU110N06YA	DPAK	N	89	60	±20	110	0.0044	0.005		1.2	2.5	5233	No
MCU110N06YB	DPAK	N	83	60	±20	110	0.005			2	4	4086	No
MCB145N06Y	D2-PAK	N	91	60	±20	145	0.0075	0.0095		1.2	2.5	1913	No
MCB150N06KY	D2-PAK	N	147	60	±20	150	0.0035	0.0048		1	2.5	4258	Yes
MCACL175N06Y	DFN5060-C	N	138	60	±20	175	0.00225	0.003		1	2.5	5084	No
MCB200N06Y	D2-PAK	N	260	60	±20	200	0.0026	0.0036		1.2	2.2	5200	No
MCB200N06YA	D2-PAK	N	260	60	±20	200	0.0032			2.2	3.8	4110	No
MCP200N06Y	TO-220AB(H)	N	260	60	±20	200	0.0032			2	4	4165	No
MCACL220N06Y	DFN5060-C	N	147	60	±20	220	0.0016	0.0024		1	2.5	7500	No
MCTL295N06Y	TOLL-8L	N	313	60	±20	295	0.002			1.5	4	8350	No
MCAC95N065Y	DFN5060	N	120	65	±20	95	0.0025	0.0034		1.2	2.2	5185	No
MCAC100N08Y	DFN5060	N	152	80	±20	100	0.0045			2	4	5492	No
MCAC100N08YA	DFN5060	N	152	80	±20	100	0.0045	0.0065		1	2.5	6268	No
MCACL110N08Y	DFN5060-C	N	125	80	±20	110	0.0039			2	4	5947	No
MCU110N08Y	DPAK	N	83	80	±20	110	0.006	0.007		1.4	2.5	5200	No
MCB120N08Y	D2-PAK	N	208	80	±20	120	0.0045			2	4	5112	No

Power MOSFETs

N-Channel MOSFETs

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)	
MCP120N08Y	TO-220AB(H)	N	178	80	±20	120	0.0048			2	4	5223	No
MCACL170N08Y	DFN5060	N	208	80	±20	170	0.0025			2	4	6452	No
MCB118N085Y	D2-PAK	N	156	85	±20	118	0.006			2	4	4140	No
MCP118N085Y	TO-220AB(H)	N	208	85	±20	118	0.0065			2	4	4150	No
MCT04N10B	SOT-223	N	1.5	100	±20	4	0.105	0.12		1.1	3	1145	No
MCQ12N10Y	SOP-8	N	3.1	100	±20	12	0.017			2	4	1135	No
MCG15N10	DFN3333	N	30.5	100	±20	15	0.099			2	4	1273	No
MCU15N10A	DPAK	N	50	100	±20	15	0.11	0.12		1.1	3	1122	No
MCU15N10B	DPAK	N	41	100	±20	15	0.09	0.11		1.2	2.5	1150	No
MCQ15N10YA	SOP-8	N	2.1	100	±20	15	0.0095	0.0125		1	3	2350	No
MCACD20N10Y	DFN5060-8D	N+N	31	100	±20	20	0.022	0.027		1	2.5	1202	No
MCU20N10	DPAK	N	78	100	±20	20	0.048	0.053		1	3	2097	No
MCU20N10A	DPAK	N	47	100	±20	20	0.045	0.06		1.2	2.5	2258	No
MCAC38N10Y	DFN5060	N	59	100	±20	38	0.0175	0.0215		1	2.5	1166	No
MCAC38N10YA	DFN5060	N	60	100	±20	38	0.02			2	4	1200	Yes
MCG40N10Y	DFN3333	N	43	100	±20	40	0.0185	0.0225		1	2.5	1051	No
MCG45N10Y	DFN3333	N	48	100	±20	45	0.012			2	4	1683	No
MCU45N10	DPAK	N	72	100	±20	45	0.017	0.0215		1	3	1165	No
MCAC50N10Y	DFN5060	N	75	100	±20	50	0.006	0.01		1	3	2808	No
MCB55N10YA	D2-PAK	N	69	100	±20	55	0.02			2	4	1199	No
MCAC55N10Y	DFN5060	N	89	100	±20	55	0.014	0.022		1	3	1800	No
MCAC60N10Y	DFN5060	N	88	100	±20	60	0.0086			2.2	3.4	2346	No
MCAC60N10YA	DFN5060	N	88	100	±20	60	0.0086	0.013		1.3	2.5	2330	No
MCU65N10Y	DPAK	N	96	100	±20	65	0.0086	0.0115		1.3	2.5	2270	No
MCU65N10YA	DPAK	N	96	100	±20	65	0.0095			2	4	2330	No
MCB70N10YA	D2-PAK	N	125	100	±20	70	0.0086	0.011		1.2	3	2298	No
MCB70N10YB	D2-PAK	N	125	100	±20	70	0.0086			2	4	2365	No
MCP75N10Y	TO-220AB(H)	N	156	100	±20	75	0.0086			2	4	2429	No
MCAC80N10Y	DFN5060	N	85	100	±20	80	0.0043	0.0063		1	3	6124	No
MCAC90N10Y	DFN5060	N	120	100	±20	90	0.0048			2	4	4458	No
MCACL120N10Y	DFN5060-C	N	108	100	±20	120	0.0042			2	4	4551	No
MCACL120N10YA	DFN5060-C	N	116	100	±20	120	0.004	0.005		1	2.5	4400	No
MCB130N10Y	D2-PAK	N	192	100	±20	130	0.0046			1.2	4	6124.6	No
MCB130N10YA	D2-PAK	N	260	100	±20	130	0.0046			2	4	4600	No
MCB130N10YB	D2-PAK	N	178	100	±20	130	0.005	0.006		1	2.5	4450	No
MCP130N10YA	TO-220AB(H)	N	310	100	±20	130	0.0055			2	4	4500	No
MCP130N10YB	TO-220AB(H)	N	250	100	±20	130	0.0055	0.0065		1	2.5	4350	No
MCB180N10Y	D2-PAK	N	357	100	±20	180	0.0033			2	4	9200	No
MCW200N10YA	TO-247	N	375	100	±20	200	0.0027			2	4	10051	No
MCW220N10Y	TO-247	N	375	100	±20	220	0.0024			2	4	10051	No
MCBS260N10Y	TO-263-7	N	375	100	±20	260	0.0018			2	4	10589	No
MCTL300N10Y	TOLL-8L	N	500	100	±20	300	0.00145			2	4	13258	No
MCTL300N10YB	TOLL-8L	N	500	100	±20	300	0.00155			2.1	3.9	10051	No
MCAC88N12A	DFN5060	N	120	120	±20	88	0.0064	0.0076		1	3	4643	No

Power MOSFETs

Power MOSFETs

N-Channel/P-Channel MOSFETs

P-Channel MOSFETs

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)	
MCB90N12A	D2-PAK	N	139	120	±20	90	0.009	0.011		1	3	4604	No
MCP90N12A	TO-220	N	150	120	±20	90	0.009	0.011		1	3	4513	No
MCPF90N12A	TO-220F	N	78	120	±20	90	0.009	0.011		1	3	4600	No
MCT04N15	SOT-223	N	1.25	150	±20	4	0.16			1.5	2.5	900	No
MCQ05N15	SOP-8	N	2	150	±25	5	0.063			2	4	1102	No
MCAC15N15Y	DFN5060	N	50	150	±20	15	0.07			2	4	740	No
MCU20N15A	DPAK	N	50	150	±20	20	0.059			2	4	1158	No
MCAC57N15Y	DFN5060	N	104	150	±20	57	0.017			2	4	2527	No
MCAC60N15YA	DFN5060	N	125	150	±25	60	0.019			2	4	2981	No
MCP70N15Y	TO-220AB(H)	N	150	150	±20	70	0.02			2	4	2508	No
MCP70N15YA	TO-220AB(H)	N	136	150	±20	70	0.021			3	5	2511	No
MCAC80N15Y	DFN5060	N	178	150	±25	80	0.011			2	4	5244	No
MCAC80N15YA	DFN5060	N	178	150	±20	80	0.013			2	4	3180	No
MCTL160N15Y	TOLL-8L	N	357	150	±25	160	0.0065			2	4	9440	No
MCB220N15Y	D2-PAK	N	312.5	150	±20	220	0.0065			2	4	9177	No
MCG05N20	DFN3333	N	54	200	±20	5	0.32			1	2	455	No
MCU05N20A	DPAK	N	90	200	±20	5	0.6			2	4	222	No
MCU09N20	DPAK	N	83	200	±30	9	0.25			1	3	509	No
MCU09N20A	DPAK	N	104.2	200	±20	9	0.3			1	2	488	No
MCU18N20A	DPAK	N	83.3	200	±20	18	0.15			2	4	894	No
MCP18N20A	TO-220AB(H)	N	179	200	±20	18	0.15			2	4	877	No
MCPF18N20A	TO-220F	N	36	200	±20	18	0.15			2	4	877	No
MCTL80N20Y	TOLL-8L	N	250	200	±20	80	0.013			2	4	10387	No
MCB70N15Y	D2-PAK	N	180	250	±20	70	0.017			2	4	2517	No
MCU01N60A	DPAK	N	37.8	600	±30	1.3	9			3	4.2	125	No
MCU05N60A	DPAK	N	96	600	±30	4.5	2.5			2	4	555	No
MCAC115P02	DFN5060	P	83.3	-20	±10	-115	0.0032	0.004		-0.3	-0.9	5830	No
MCG55P02A	DFN3333	P	39	-20	±10	-55		0.0083	0.01	-0.4	-1	4231	No
MCG35P02	DFN3333	P	69	-20	±10	-35		0.014	0.018	-0.4	-1	2100	No
MCGD30P02	DFN3333-D	P+P	21	-20	±10	-30		0.019	0.022	-0.4	-1	2157	No
MCT15P02	SOT-223	P	2.1	-20	±10	-15		0.025	0.03	-0.5	-0.9	1547	No
MCQ14P02	SOP-8	P	1.4	-20	±10	-14		0.0085	0.0105	-0.4	-1	4224	No
MCS2305B	TSSOP-8	P	1.05	-20	±8	-8.2		0.0085	0.011	-0.55	-0.9	1255	No
MCQD04P02	SOP-8	P+P	1.4	-20	±10	-4		0.057	0.074	-0.4	-1	493	No
MCAC55P03	DFN5060	P	104	-30	±20	-55	0.006	0.0085		-1	-2	3399	No
MCG50P03	DFN3333	P	78	-30	±25	-50	0.0062	0.011		-1.2	-2.8	6464	No
MCAC50P03B	DFN5060	P	83	-30	±25	-50	0.0055	0.0095		-1.2	-2.8	6426	No
MCAC45P03	DFN5060	P	50	-30	±20	-45	0.014	0.018		-1	-2	1719	No
MCU45P03A	DPAK	P	62.5	-30	±25	-45	0.008	0.013		-1.2	-2.8	5091	No
MCU45P03B	DPAK	P	78	-30	±20	-45	0.007	0.013		-0.9	-2.5	3574	No
MCG30P03	DFN3333	P	32	-30	±25	-30	0.015	0.025		-1.2	-2.8	2450	No
MCU30P03	DPAK	P	62.5	-30	±20	-30	0.013	0.017		-1	-2	1719	No
MCG25P03	DFN3333	P	62.5	-30	±20	-25	0.019	0.025		-1	-2	1385	No
MCG20P03	DFN3333	P	21	-30	±20	-20	0.02	0.027		-1	-2.5	1618	No

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)	
MCU20P03	DPAK	P	35.7	-30	±20	-20	0.017	0.025		-1	-2	1385	No
MCQ4407B	SOP-8	P	3.2	-30	±25	-12	0.0125	0.025		-1.2	-2.8	2050	No
MCQ4407C	SOP-8	P	2.0	-30	±20	-12	0.013	0.018		-1	-2	1735	No
MCQ4435A	SOP-8	P	2.3	-30	±20	-10	0.024	0.035		-1	-2.5	1630	No
MCQ4435	SOP-8	P	1.4	-30	±20	-9.1	0.024	0.035		-1	-3	1350	No
MCQ4435B	SOP-8	P	1.9	-30	±20	-8	0.0175	0.025		-1	-2	1385	No
MCQ7328	SOP-8	P+P	1.4	-30	±20	-8	0.021	0.032		-1	-2.5	2675	No
MCT06P03	SOT-223	P	2.1	-30	±20	-6	0.055	0.08		-1	-2.5	502	No
MCQ9435	SOP-8	P	1.4	-30	±20	-5.1	0.05	0.065		-1	-2	604	No
MCQ4953	SOP-8	P+P	2.5	-30	±20	-5	0.06	0.09		-1	-2.5		No
MCU65P04	DPAK	P	96	-40	±20	-65	0.014			-1	-2.5	3354	No
MCU60P04A	DPAK	P	69	-40	±20	-60	0.01	0.012		-1	-2.5	4766	No
MCU50P04A	DPAK	P	83	-40	±20	-50	0.015	0.02		-1	-2.5	3302	No
MCU45P04A	DPAK	P	73	-40	±20	-45	0.02	0.023		-1	-2.5	2539	No
MCU45P04B	DPAK	P	56	-40	±20	-45	0.014	0.021		-1	-2.3	3433	No
MCG35P04A	DFN3333	P	59	-40	±20	-35	0.02	0.025		-1	-2.5	2511	No
MCQ12P04A	SOP-8	P	2	-40	±20	-12	0.021	0.026		-1	-2.5	2500	No
MCQD09P04	SOP-8	P+P	1.7	-40	±20	-9	0.023	0.028		-1	-2.5	3302	No
MCQD08P04	SOP-8	P+P	1.6	-40	±20	-8	0.05	0.06		-1	-2.5	1043	No
MCB110P06Y	D2-PAK	P	125	-60	±18	-110	0.0084	0.01		-2	-3.5	5810	No
MCAC80P06Y	DFN5060	P	120	-60	±18	-80	0.008			-2	-4	5300	No
MCU80P06Y	DPAK	P	125	-60	±18	-80	0.0084			-2	-4	5332	No
MCP80P06Y	TO-220AB(H)	P	89	-60	±20	-80	0.0084			-2	-3.5	5322	No
MCPF80P06Y	TO-220F	P	83	-60	±18	-80	0.01			-2	-4	5810	No
MCAC60P06	DFN5060	P	130	-60	±20	-60	0.018			-2	-3.5	6683	No
MCU60P06	DPAK	P	130	-60	±20	-60	0.018			-2	-3.5	5814	No
MCP60P06	TO-220AB(H)	P	130	-60	±20	-60	0.018			-2	-3.5	6504	No
MCU50P06Y	DPAK	P	89	-60	±18	-50	0.012	0.015		-1	-3	4600	No
MCU40P06	DPAK	P	104	-60	±20	-40	0.025	0.034		-1	-3	1533	No
MCU40P06Y	DPAK	P	83	-60	±20	-40	0.029			-1	-2.5	1491	No
MCU30P06Y	DPAK	P	73	-60	±20	-30	0.055	0.065		-1.5	-2.7	1057	No
MCAC28P06Y	DFN5060	P	60	-60	±20	-28	0.04	0.055		-1.5	-2.7	1065	No
MCG25P06Y	DFN3333	P	73.5	-60	±20	-25	0.05	0.065		-1.5	-2.7	1024	No
MCG20P06	DFN3333	P	25	-60	±20	-20	0.025	0.034		-1	-3	1533	No
MCG20P06Y	DFN3333-8	P	39	-60	±20	-20	0.028	0.039		-1	-2.5	1483	No
MCU12P06Y	DPAK	P	30	-60	±20	-12	0.085	0.12		-1	-2.5	505	No
MCQD08P06Y	SOP-8	P+P	1.9	-60	±20	-8	0.085	0.12		-1	-2.5	505	No
MCQD08P06YA	SOP-8	P+P	1.6	-60	±20	-8	0.075	0.11		-1	-2.5	500	No
MCQ07P06Y	SOP-8	P	2.2	-60	±20	-7	0.047	0.06		-1.3	-2.5	1052	No
MCT04P06Y	SOT-223	P	2	-60	±20	-4	0.085	0.12		-1	-2.5	505	No
MCT04P06	SOT-223	P	2	-60	±20	-3.5	0.08	0.1		-1	-3	650	No
MCB40P10Y	D2-PAK	P	125	-100	±20	-40	0.056	0.062		-1	-2.5	2087	No
MCU28P10Y	DPAK	P	96	-100	±20	-28	0.058	0.065		-1	-2.5	2077	No
MCAC25P10Y	DFN5060	P	88	-100	±20	-25	0.056	0.062		-1	-2.5	2077	No

Power MOSFETs

P-Channel/N+P-Channel MOSFETs

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)	
MCU20P10	DPAK	P	70	-100	±20	-20	0.116			-1	-3	2100	Yes
MCU18P10Y	DPAK	P	70	-100	±20	-18	0.11	0.13		-1	-2.5	1050	No
MCU12P10	DPAK	P	40	-100	±20	-12	0.2			-1	-3	1055	Yes
MCT08P10Y	SOT-223	P	2.2	-100	±20	-8	0.11	0.13		-1	-2.5	1080	No
MCT06P10	SOT-223	P	1.25	-100	±20	-6	0.205	0.25		-1.2	-2.8	760	Yes
MCQ05P10Y	SOP-8	P	1.6	-100	±20	-4.5	0.11	0.12		-1	-2.5	1062	No
MCU10P15	DPAK	P	69	-150	±20	-10	0.31			-1	-3.5	926	No
MCQ02P15	SOP-8	P	2.5	-150	±20	-2	0.31			-1	-3.5	926	No
MCACD12NP10Y	DFN5060-8D	N+P	41.6	100/-100	±20/±25	25/-12	0.026/0.120	0.030/0.130		1.2/-1.2	2.5/-2.5	1200/1100	No
MCACD40NP03	PDFN5060-8D	N+P	50/54	30/-30	±20	40/-40	0.009/0.012	0.014/0.020		1.0/-1.2	2.5/-2.7	1050/1860	No
MCQ4503B	SOP-8	N+P	2	30/-30	±12	5.6/-4.4	0.025/0.055	0.031/0.066		0.65/-0.6	1.5/-1.4	573/831	No
MCQ07NP03A	SOP-8	N+P	1.6	30/-30	±20	7.0/-7.0	0.018/0.023	0.030/0.034		1.0/-1.0	2.2/-2.5	357/1623	No
MCQ11NP04	SOP-8	N+P	2.1/2.3	40/-40	±20	11/-11	0.032/0.033	0.050/0.050		1.0/-1.0	2.5/-2.5	390/1080	No
MCQ4559A	SOP-8	N+P	2	60/-60	±20	4.5/-3.5	0.045/0.080	0.050/0.115		1.0/-1.0	2.5/-2.5	822/2992	No

Power MOSFETs

Super Junction MOSFETs

Part Number	Package	Channel	Power Rating	Drain-Source Voltage	Gate Source Voltage	Drain Current	Static Drain-Source On-Resistance			Gate Threshold Voltage (Min)	Gate Threshold Voltage (Max)	Input Capacitance	ESD Diodes (Y/N)
			P _D (W)	V _{DS} (V)	V _{GS} (V)	I _D (A)	R _{DS(on)} (Ω) @10V	R _{DS(on)} (Ω) @4.5V	R _{DS(on)} (Ω) @2.5V	V _{GS(th)} (V)	V _{GS(th)} (V)	C _{iss} (pF)	
MSJAC11N50B	DFN5060	N	83	500	±30	11	0.38	-	-	2.5	3.5	702	No
MSJL20N60A	DFN8080A	N	196	600	±30	20	0.219	-	-	2	4	1336	No
MSJW47N60A	TO-247	N	278	600	±30	47	0.091	-	-	2	4	4476	No
MCT01N65	SOT-223	N	2	650	±30	1	11	-	-	2	4	34	No
MCT01N65K	SOT-223	N	2	650	±30	1	11	-	-	2	4	34	Yes
SL01N65	SOT-23-3L	N	1.6	650	±30	1	11	-	-	2	4	34	No
MSJUF05N65	DPAK	N	57	650	±30	5	1.9	-	-	2	4	165	No
MSJU07N65A	DPAK	N	63	650	±30	7	0.6	-	-	2	4	545	No
MSJP09N65A	TO-220AB(H)	N	113	650	±30	9	0.96	-	-	2	4	383	No
MSJAC11N65B	DFN5060	N	89	650	±30	11	0.38	-	-	2	4	791	No
MSJU11N65A	DPAK	N	83.3	650	±30	11	0.38	-	-	2	4	763	No
MSJP11N65A	TO-220	N	83.3	650	±30	11	0.38	-	-	2	4	763	No
MSJPF11N65	TO-220F	N	31.3	650	±30	11	0.38	-	-	2.5	4	901	No
MSJPF11N65A	TO-220F	N	31.3	650	±30	11	0.38	-	-	2	4	763	No
MSJB14N65A	D2-PAK	N	139	650	±30	14	0.4	-	-	2	4	750	No
MSJP14N65A	TO-220AB(H)	N	147	650	±30	14	0.31	-	-	2	4	1038	No
MSJP20N65A	TO-220AB(H)	N	73.5	650	±30	20	0.19	-	-	2	4	1860	No
MSJPF20N65A	TO-220F	N	39	650	±30	20	0.19	-	-	2	4	1750	No
MSJW20N65A	TO-247	N	250	650	±30	20	0.18	-	-	2	5	1740	No
MSJU04N80A	DPAK	N	88	800	±20	4.5	1.3	-	-	2.5	4.5	386	Yes
MSJB06N80A	D2-PAK	N	35	800	±30	6	1.2	-	-	2.5	4.5	349	Yes
MSJU06N80A	DPAK	N	56.8	800	±20	6	0.95	-	-	2.5	4.5	502	Yes
MSJP06N80A	TO-220AB(H)	N	96	800	±30	6	1.2	-	-	2.5	4.5	386	Yes
MSJPF06N80A	TO-220F	N	50	800	±30	6	1.2	-	-	2.5	4.5	386	Yes
MSJP07N80A	TO-220AB(H)	N	104	800	±20	7	0.95	-	-	2.5	4.5	502	Yes
MSJPF07N80A	TO-220F	N	78	800	±20	7	0.95	-	-	2.5	4.5	502	Yes
MSJB11N80A	D2-PAK	N	156	800	±20	11	0.47	-	-	2.5	4.5	958	Yes
MSJP11N80A	TO-220AB(H)	N	250	800	±20	11	0.47	-	-	2.5	4.5	918	Yes
MSJPF11N80A	TO-220F	N	25	800	±20	11	0.47	-	-	2.5	4.5	958	Yes
MSJB17N80	D2-PAK	N	181	800	±30	17	0.29	-	-	2	4	1830	No
MSJU05N90A	DPAK	N	83	900	±30	5	1.49	-	-	2	3.5	476	No
MSJP08N90A	TO-220AB(H)	N	114	900	±30	8	1.62	-	-	2	4	476	No
MSJPF08N90A	TO-220F	N	89	900	±30	8	1.3	-	-	2	4	469	No