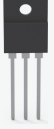
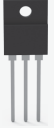
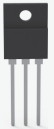
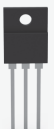
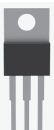







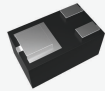









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Package	Part Number	Polarity	Power Rating	Drain-Source Voltage	Gate Threshold Voltage	Drain Current	Static Drain-Source On Resistance	Input Capacitance	Marking Code	Internal Diagram
			P_D (W)	V_{DS} (V)	V_{GS} (V)	I_D (A)	RDS (Ω)	(pF)		
 TSSOP-8	MCS2010	N-Channel	1	20	± 10	10	0.0095	1510	S2010	Fig.8-5
 TSSOP-8	MCS8804	N-Channel	1	20	± 12	8	0.013	1800	S8804	Fig.8-5
 TSSOP-8	MCS8810	N-Channel	1	20	± 12	7	0.02	1150	S8810	Fig.8-5
 TSSOP-8	MCS8820	N-Channel	1	20	± 12	7	0.021	650	S8820	Fig.8-5
 TO-92	2N7000	N-Channel	0.625	60	± 20	0.2	5	60	2N7000	Fig.3-1
 TO-251S	MCDS04N60	N-Channel	1.25	600	± 30	4	3	760	-	Fig.3-1
 TO-251	MCD04N65Y	N-Channel	39	650	± 30	4	0.95	296	-	Fig.3-1
 TO-251	MCD04N70Y	N-Channel	39	700	± 30	4	0.95	296	-	Fig.3-1
 TO-247	MCPT43N65Y	N-Channel	420	650	± 30	43	0.08	3590	-	Fig.3-1
 TO-220F	MCPF04N60	N-Channel	2	600	± 30	4	2	540	-	Fig.3-1











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Package	Part Number	Polarity	Power Rating	Drain-Source Voltage	Gate Threshold Voltage	Drain Current	Static Drain-Source On Resistance	Input Capacitance	Marking Code	Internal Diagram
			P_D (W)	V_{DS} (V)	V_{GS} (V)	I_D (A)	RDS (Ω)	(pF)		
 TO-220F	MCPF04N65	N-Channel	2	650	± 30	4	3	760	-	Fig.3-1
 TO-220F	MCPF05N60B	N-Channel	2	600	± 30	5	2.5	670	-	Fig.3-1
 TO-220F	MCPF08N60	N-Channel	2	600	± 30	8	1.3	1280	-	Fig.3-1
 TO-220F	MCPF12N65	N-Channel	2	650	± 30	12	0.85	1800	-	Fig.3-1
 TO-220	MCP04N60	N-Channel	2	600	± 30	4	2	540	-	Fig.3-1
 TO-220	MCP04N65	N-Channel	2	650	± 30	4	3	760	-	Fig.3-1
 TO-220	MCP140N10Y	N-Channel	220	100	± 20	140	0.0062	6920	-	Fig.3-1
 TO-220	MCP55H12	N-Channel	2	55	± 20	120	0.0055	4900	-	Fig.3-1
 SOT-89	MCA03N10	N-Channel	0.5	100	± 20	3	0.14	690	-	Fig.3-1
 SOT-883	SI3134KL	N-Channel	0.1	20	± 12	0.75	0.38	79	34	Fig.3-5











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Package	Part Number	Polarity	Power Rating	Drain-Source Voltage	Gate Threshold Voltage	Drain Current	Static Drain-Source On Resistance	Input Capacitance	Marking Code	Internal Diagram
			P_D (W)	V_{DS} (V)	V_{GS} (V)	I_D (A)	RDS (Ω)	(pF)		
 SOT-883	SI3139KL	P-Channel	0.1	-20	± 12	-0.68	0.52	170	39	Fig.3-3
 SOT-723	MC3541	N-Channel	0.15	30	± 20	0.1	5	13	KN	Fig.3-5
 SOT-723	SI3134K	N-Channel	0.15	20	± 12	0.75	0.38	79	KF	Fig.3-5
 SOT-723	SI3139K	P-Channel	0.15	-20	± 6.0	-0.66	0.52	113	KD	Fig.3-3
 SOT-563	2N7002V	N-Channel	0.15	60	± 20	0.115	5	50	KAS	Fig.6-1
 SOT-563	MCX3152P	P-Channel	0.15	-20	± 12	-0.66	0.7	175	3152	Fig.6-10
 SOT-563	SIX3134K	N-Channel	0.15	20	± 12	0.75	0.38	120	34K	Fig.6-2
 SOT-563	SIX3439K	N-Channel	0.15	20	± 12	0.75	0.38	79	49K	Fig.6-3
 SOT-523	2N7002T	N-Channel	0.15	60	± 20	0.115	7.5	50	K72	Fig.3-1
 SOT-523	2SK3019	N-Channel	0.15	30	± 20	0.1	8	13	KN	Fig.3-5

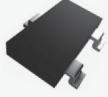
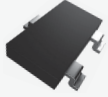
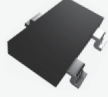







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Package	Part Number	Polarity	Power Rating	Drain-Source Voltage	Gate Threshold Voltage	Drain Current	Static Drain-Source On Resistance	Input Capacitance	Marking Code	Internal Diagram
			P_D (W)	V_{DS} (V)	V_{GS} (V)	I_D (A)	RDS (Ω)	(pF)		
 SOT-523	SI1012	N-Channel	0.275	20	± 12	1	0.7	100	C	Fig.3-5
 SOT-523	SI3139KE	P-Channel	0.15	-20	± 12	-0.66	0.52	170	39K	Fig.3-3
 SOT-523	SI4153	N-Channel	0.15	20	± 6.0	0.915	0.57	110	X	Fig.3-4
 SOT-363	2N7002DW	N-Channel	0.15	60	20	0.115	7	50	K72	Fig.6-1
 SOT-363	2N7002KDW	N-Channel	0.15	60	± 20	0.34	5.3	40	72K	Fig.6-2
 SOT-363	MC7252KDW	N&P-Channel	0.15	60/-50	± 20	0.34/-0.18	5.3/10	40	75	Fig.6-3
 SOT-363	SI3134KDW	N-Channel	0.15	20	± 12	0.75	0.38	120	34K	Fig.6-2
 SOT-363	UM6K1N	N-Channel	0.15	30	± 20	0.1	8	13	K1	Fig.6-2
 SOT-323	2N7002KW	N-Channel	0.2	60		0.34	5.3	40	72K	Fig.3-4
 SOT-323	2N7002W	N-Channel	0.2	60	± 20	0.115	7.5	50	K72	Fig.3-1

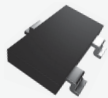


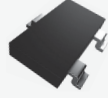






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Package	Part Number	Polarity	Power Rating	Drain-Source Voltage	Gate Threshold Voltage	Drain Current	Static Drain-Source On Resistance	Input Capacitance	Marking Code	Internal Diagram
			P_D (W)	V_{DS} (V)	V_{GS} (V)	I_D (A)	RDS (Ω)	(pF)		
 SOT-323	2SK3018	N-Channel	0.2	30	± 20	0.1	8	13	KN	Fig.3-5
 SOT-323	BSS138W	N-Channel	0.3	50	± 20	0.22	3.5	27	SS	Fig.3-1
 SOT-323	SI2101	P-Channel	0.29	-20	± 8.0	-1.4	0.1	640	TS1	Fig.3-2
 SOT23-6L	SIL2301	P-Channel	0.35	-20	± 8.0	-2.3	0.2	405	S1	Fig.6-9
 SOT23-6L	SIL2623	P-Channel	0.35	-30	± 20	-3	0.13	240	2623	Fig.6-9
 SOT23-6L	SIL3407	P-Channel	0.35	-30	± 20	-4.1	0.06	700	R7	Fig.6-4
 SOT23-6L	SIL3415	P-Channel	0.35	-20	± 8.0	-4	0.05	1450	R15	Fig.6-11
 SOT-23	2N7002	N-Channel	0.2	60	± 20	0.115	7.5	50	S72/7002	Fig.3-1
 SOT-23	2N7002K	N-Channel	0.35	60	± 20	0.34	5.3	40	72K	Fig.3-4
 SOT-23	BSS123	N-Channel	0.35	100	± 20	0.17	6	60	B123	Fig.3-1

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Package	Part Number	Polarity	Power Rating	Drain-Source Voltage	Gate Threshold Voltage	Drain Current	Static Drain-Source On Resistance	Input Capacitance	Marking Code	Internal Diagram
			P_D (W)	V_{DS} (V)	V_{GS} (V)	I_D (A)	RDS (Ω)	(pF)		
 SOT-23	BSS138	N-Channel	0.35	50	± 20	0.22	3.5	27	SS	Fig.3-1
 SOT-23	BSS84	P-Channel	0.225	-50	± 20	-0.13	10	30	B84	Fig.3-2
 SOT-23	SI2301	P-Channel	1.25	-20	± 8.0	-2.8	0.12	880	S1	Fig.3-2
 SOT-23	SI2302	N-Channel	1.25	20	± 8.0	3	0.055	237	S2	Fig.3-1
 SOT-23	SI2303	P-Channel	0.25	-30	± 20	-3	0.13	226	S3	Fig.3-2
 SOT-23	SI2304	N-Channel	0.25	30	± 20	2.5	0.065	240	S4	Fig.3-1
 SOT-23	SI2305	P-Channel	0.35	-8	± 8.0	-4.1	0.045	740	S5	Fig.3-2
 SOT-23	SI2306	N-Channel	0.75	30	± 20	3.16	0.047	305	S6	Fig.3-1
 SOT-23	SI2307	P-Channel	1.1	-30	± 20	-2.7	0.138	340	S7	Fig.3-2
 SOT-23	SI2310	N-Channel	0.35	60	± 20	3	0.105	247	S10	Fig.3-1

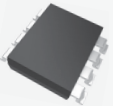
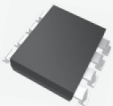
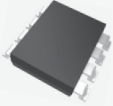
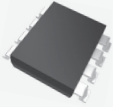
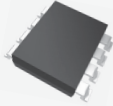
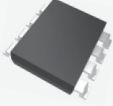
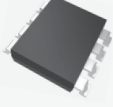
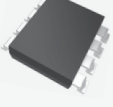
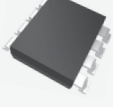

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Package	Part Number	Polarity	Power Rating	Drain-Source Voltage	Gate Threshold Voltage	Drain Current	Static Drain-Source On Resistance	Input Capacitance	Marking Code	Internal Diagram
			P_D (W)	V_{DS} (V)	V_{GS} (V)	I_D (A)	RDS (Ω)	(pF)		
 SOT-23	SI2312	N-Channel	0.35	20	± 8.0	5	0.0318	865	S12	Fig.3-1
 SOT-23	SI2321	P-Channel	0.35	-20	± 12	-2.9	0.057	715	S21 K	Fig.3-2
 SOT-23	SI2324	N-Channel	0.35	100	± 20	2	0.234	190	S24	Fig.3-1
 SOT-23	SI2333	P-Channel	1.1	-12	± 8.0	-6	0.028	1275	S33	Fig.3-2
 SOT-23	SI3400	N-Channel	0.35	30	± 12	5.8	0.035	1050	R0	Fig.3-1
 SOT-23	SI3400A	N-Channel	0.4	30	± 12	5.8	0.032	1155	R0A	Fig.3-1
 SOT-23	SI3401	P-Channel	0.35	-30	± 12	-4.2	0.065	954	R1	Fig.3-2
 SOT-23	SI3401A	P-Channel	0.4	-30	± 12	-4.2	0.06	1050	R1A	Fig.3-2
 SOT-23	SI3402	N-Channel	0.35	30	± 12	4	0.055	390	R2	Fig.3-1
 SOT-23	SI3404	N-Channel	0.35	30	± 20	5.8	0.028	820	R4	Fig.3-1

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Package	Part Number	Polarity	Power Rating	Drain-Source Voltage	Gate Threshold Voltage	Drain Current	Static Drain-Source On Resistance	Input Capacitance	Marking Code	Internal Diagram
			P_D (W)	V_{DS} (V)	V_{GS} (V)	I_D (A)	RDS (Ω)	(pF)		
 SOT-23	SI3407	P-Channel	0.35	-30	± 20	-4.1	0.06	700	3407	Fig.3-2
 SOT-23	SI3415	P-Channel	0.35	-20	± 8.0	-4	0.05	1450	R15	Fig.3-3
 SOT-23	SI3420	N-Channel	0.35	20	± 12	6	0.024	630	R20	Fig.3-1
 SOT-23	SI3434	N-Channel	0.3	30	± 10	5	0.042	245	R34	Fig.3-4
 SOT-23	SI8810	N-Channel	0.3	20	± 12	7	0.02	1150	8810	Fig.3-4
 SOT-223	MCT04N15	N-Channel	1.25	150	± 20	4	0.16	900	-	Fig.3-1
 SOT-223	MCT04N65Y	N-Channel	39	650	± 30	4	0.95	296	-	Fig.3-1
 SOT-223	MCT04N70Y	N-Channel	39	700	± 30	4	0.95	296	-	Fig.3-1
 SOP-8	MCQ15N10Y	N-Channel	3.1	100	± 20	15	0.0137	2808	-	Fig.8-1
 SOP-8	MCQ4406	N-Channel	1.4	30	± 20	10	0.012	1550	Q4406	Fig.8-1

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Package	Part Number	Polarity	Power Rating	Drain-Source Voltage	Gate Threshold Voltage	Drain Current	Static Drain-Source On Resistance	Input Capacitance	Marking Code	Internal Diagram
			P_D (W)	V_{DS} (V)	V_{GS} (V)	I_D (A)	RDS (Ω)	(pF)		
 SOP-8	MCQ4407	P-Channel	1.4	-30	± 20	-12	0.013	2900	Q4407	Fig.8-2
 SOP-8	MCQ4410	N-Channel	1.4	30	± 12	7.5	0.0135	9130	Q4410	Fig.8-1
 SOP-8	MCQ4435	P-Channel	1.4	-30	± 20	-9.1	0.024	1350	Q4435	Fig.8-2
 SOP-8	MCQ4438	N-Channel	1.25	60	± 20	8.2	0.022	2300	Q4438	Fig.8-1
 SOP-8	MCQ4459	P-Channel	1.4	-30	± 20	-6.5	0.046	625	Q4459	Fig.8-2
 SOP-8	MCQ4503	N&P-Channel	1.4	30/-30	± 20	6.9/-6.3	0.028/0.036	770	Q4503	Fig.8-4
 SOP-8	MCQ4559	N&P-Channel	2	60/-60	± 20	4.5/-3.5	0.058/0.08	665	Q4559	Fig.8-4
 SOP-8	MCQ4822	N-Channel	1.4	30	± 20	8.5	0.016	1250	Q4822	Fig.8-3
 SOP-8	MCQ4828	N-Channel	1.25	60	± 20	4.5	0.056	540	Q4828	Fig.8-3
 SOP-8	MCQ60P05	P-Channel	1.25	-60	± 20	-5	0.08	1450	Q60P05	Fig.8-2


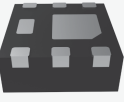
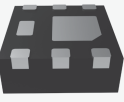
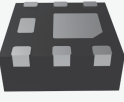

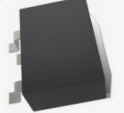
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Package	Part Number	Polarity	Power Rating	Drain-Source Voltage	Gate Threshold Voltage	Drain Current	Static Drain-Source On Resistance	Input Capacitance	Marking Code	Internal Diagram
			P_D (W)	V_{DS} (V)	V_{GS} (V)	I_D (A)	RDS (Ω)	(pF)		
 SOP-8	MCQ7328	P-Channel	1.4	-30	± 20	-8	0.021	2675	Q7328	Fig.8-6
 SOP-8	MCQ9435	P-Channel	1.4	-30	± 20	-5.1	0.06	-	Q9435	Fig.8-2
 DPAK	MCU04N60	N-Channel	1.25	600	± 30	4	2	540	-	Fig.3-1
 DPAK	MCU04N65	N-Channel	1.25	650	± 30	4	3	760	-	Fig.3-1
 DPAK	MCU04N65Y	N-Channel	39	700	± 30	4	0.95	296	-	Fig.3-1
 DPAK	MCU04N70Y	N-Channel	39	700	± 30	4	0.95	296	-	Fig.3-1
 DPAK	MCU05N60	N-Channel	1.25	600	± 30	4.5	2.5	670	-	Fig.3-1
 DPAK	MCU10N10	N-Channel	1.25	100	± 20	9.6	0.14	690	-	Fig.3-1
 DPAK	MCU18P10	P-Channel	1.25	-100	± 20	-18	0.1	2100	-	Fig.3-3
 DPAK	MCU20N06	N-Channel	1.25	60	± 20	20	0.045	500	-	Fig.3-1

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Package	Part Number	Polarity	Power Rating	Drain-Source Voltage	Gate Threshold Voltage	Drain Current	Static Drain-Source On Resistance	Input Capacitance	Marking Code	Internal Diagram
			P_D (W)	V_{DS} (V)	V_{GS} (V)	I_D (A)	RDS(Ω)	(pF)		
 DPAK	MCU40N10	N-Channel	1.25	100	± 20	40	0.017	3400	-	Fig.3-1
 DPAK	MCU40P04	P-Channel	1.25	-40	± 20	-40	0.014	2960	-	Fig.3-2
 DPAK	MCU50N06	N-Channel	1.25	60	± 20	50	0.02	900	-	Fig.3-1
 DPAK	MCU60N04	N-Channel	1.25	40	± 20	60	0.02	1800	-	Fig.3-1
 DFN5060-8	MCAC48N10Y	N-Channel	30	100	± 20	48	0.0128	2808	-	Fig.3-1
 DFN5060-8	MCAC10H03	N-Channel	2	30	20	100	0.0025	5000	-	Fig.8-1
 DFN2030-6	MCCD2004	N-Channel	1	20	± 12	10	0.01	1955	2004	Fig.6-7
 DFN2030-6	MCCD2005	N-Channel	1	20	± 12	8	0.013	1800	2005	Fig.6-7
 DFN2030-6	MCCD2007	N-Channel	1	20	± 12	7	0.02	1150	2007	Fig.6-7
 DFN2020-6U	MCMNP517	N&P-Channel	0.75	12	± 12	6.0/-4.1	0.024/0.045	630	517	Fig.6-6

MOSFETS

Package	Part Number	Polarity	Power Rating	Drain-Source Voltage	Gate Threshold Voltage	Drain Current	Static Drain-Source On Resistance	Input Capacitance	Marking Code	Internal Diagram
			P_D (W)	V_{DS} (V)	V_{GS} (V)	I_D (A)	RDS (Ω)	(pF)		
 DFN2020-6U	MCMP06	P-Channel	0.7	-20	± 8.0	-2	0.11	480	6	Fig.6-8
 DFN2020-6J	MCM1206	P-Channel	0.35	-12	± 8.0	-6	0.045	740	1206	Fig.6-4
 DFN2020-6J	MCM1208	P-Channel	0.35	-12	± 8.0	-8	0.028	1275	1208	Fig.6-4
 DFN2020-6J	MCM1216	P-Channel	2.5	-12	± 8.0	-16	0.021	2700	1216	Fig.6-4
 DFN2020-6J	MCMN2012	N-Channel	0.75	20	± 10	12	0.011	1800	N2012	Fig.6-5
 D2-PACK	MCB150N06YB	N-Channel	187	60	± 20	150	0.0092	3800	-	Fig.3-1

