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## ► MOSFET Product

Part No.	Package Type	Polarity	Power Rating	Drain-Source Voltage	Gate Threshold Voltage	Drain Current	Static Drain-Source On Resistance	Internal Diagram
			$P_D$ mW	$V_{DS}$ V	$V_{GS(th)}$ V	$I_D$ A	$R_{DS(on)}$ $\Omega$	
MCAD2399	DFN1010-3	P-Channel	200	-20	$\pm 12$	-2.000	0.1350	Fig.3-2
MCM1206	DFN2020-6J	P-Channel	350	-12	$\pm 8$	-6.000	0.0450	Fig.6-4
MCM1208	DFN2020-6J	P-Channel	350	-12	$\pm 8$	-8.000	0.0280	Fig.6-4
MCM1216	DFN2020-6J	P-Channel	2500	-12	$\pm 8$	-16.000	0.0210	Fig.6-4
MCMN2012	DFN2020-6J	N-Channel	750	20	$\pm 10$	12.000	0.0110	Fig.6-5
MCMNP517	DFN2020-6U	N&P-Channel	750	12/-12	$\pm 12$	6.0/-4.1	0.024/0.045	Fig.6-6
MCMP06	DFN2020-6U	P-Channel	700	-20	$\pm 8$	-2.000	0.1100	Fig.6-8
MCCD2004	DFN2030-6	N-Channel	1000	20	$\pm 12$	10.000	0.0100	Fig.6-7
MCCD2005	DFN2030-6	N-Channel	1000	20	$\pm 12$	8.000	0.0130	Fig.6-7
MCCD2007	DFN2030-6	N-Channel	1000	20	$\pm 12$	7.000	0.0200	Fig.6-7
MCND2010	DFN5020-6A	N-Channel	1100	20	$\pm 10$	10.000	0.0095	Fig.6-7
MCND8804	DFN5020-6A	N-Channel	700	20	$\pm 12$	8.000	0.0130	Fig.6-7
MCAC10H03	DFN5060	N-Channel	2000	30	$\pm 20$	100.000	0.0025	Fig.8-1
MCAC35N03	DFN5060	N-Channel	2000	30	$\pm 20$	35.000	0.0095	Fig.8-1
MCAC50P03	DFN5060	P-Channel	2000	-30	$\pm 20$	-50.000	0.0070	Fig.8-2
MCU01N80	DPAK	N-Channel	1250	800	$\pm 30$	1.000	13.5000	Fig.3-1
MCU02N80	DPAK	N-Channel	1250	800	$\pm 30$	2.400	6.3000	Fig.3-1
MCU04N60	DPAK	N-Channel	1250	600	$\pm 30$	4.000	3.0000	Fig.3-1
MCU04N65	DPAK	N-Channel	1250	650	$\pm 30$	4.000	3.0000	Fig.3-1
MCU05N60	DPAK	N-Channel	1250	600	$\pm 30$	4.500	2.5000	Fig.3-1
MCU10N10	DPAK	N-Channel	1250	100	$\pm 20$	9.600	0.1400	Fig.3-1
MCU40N10	DPAK	N-Channel	1250	100	$\pm 20$	40.000	0.0170	Fig.3-1
MCU18P10	DPAK	P-Channel	1250	-100	$\pm 20$	-18.000	0.1000	Fig.3-3
MCU20N06	DPAK	N-Channel	1250	60	$\pm 20$	20.000	0.0450	Fig.3-1
MCU40P04	DPAK	P-Channel	1250	-40	$\pm 20$	-40.000	0.0140	Fig.3-2
MCQ4406	SOP-8	N-Channel	1400	30	$\pm 20$	10.000	0.0120	Fig.8-1
MCQ4407	SOP-8	P-Channel	1400	-30	$\pm 20$	-12.000	0.0130	Fig.8-2
MCQ4410	SOP-8	N-Channel	1400	30	$\pm 12$	7.500	0.0135	Fig.8-1



DFN1010-3

DFN2020-6J

DFN2020-6U

DFN2030-6

DFN5020-6A

DFN5060

DPAK

SOP-8

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			$P_D$ mW	$V_{DS}$ V	$V_{GS(th)}$ V	$I_D$ A	$R_{DS(on)}$ $\Omega$	
MCQ4435	SOP-8	P-Channel	1400	-30	$\pm 20$	-9.100	0.0240	Fig.8-2
MCQ4438	SOP-8	N-Channel	1250	60	$\pm 20$	8.200	0.0220	Fig.8-1
MCQ4459	SOP-8	P-Channel	1400	-30	$\pm 20$	-6.500	0.0460	Fig.8-2
MCQ4503	SOP-8	N&P-Channel	1400	30/-30	$\pm 20$	6.9/-6.3	0.028/0.036	Fig.8-4
MCQ4559	SOP-8	N&P-Channel	2000	60/-60	$\pm 20$	4.5/-3.5	0.058/0.08	Fig.8-4
MCQ4822	SOP-8	N-Channel	1400	30	$\pm 20$	8.500	0.0160	Fig.8-3
MCQ9435	SOP-8	P-Channel	1400	-30	$\pm 20$	-5.100	0.0600	Fig.8-2
MCS2010	TSSOP-8	N-Channel	1000	20	$\pm 10$	10.000	0.0095	Fig.8-5
MCS8804	TSSOP-8	N-Channel	1000	20	$\pm 12$	8.000	0.0130	Fig.8-5
MCS8810	TSSOP-8	N-Channel	1000	20	$\pm 12$	7.000	0.0200	Fig.8-5
MCS8820	TSSOP-8	N-Channel	1000	20	$\pm 12$	7.000	0.0210	Fig.8-5
2N7002DW	SOT-363	N-Channel	150	60	$\pm 20$	0.115	7.0000	Fig.6-1
2N7002KDW	SOT-363	N-Channel	150	60	$\pm 20$	0.340	5.3000	Fig.6-2
UM6K1N	SOT-363	N-Channel	150	30	$\pm 20$	0.100	8.0000	Fig.6-2
SIX3134K	SOT-563	N-Channel	150	20	$\pm 12$	0.750	0.3800	Fig.6-2
SIX3439K	SOT-563	N&P-Channel	150	20	$\pm 12$	0.75/-0.66	0.38/0.52	Fig.6-3
2N7002	SOT-23	N-Channel	200	60	$\pm 20$	0.115	7.5000	Fig.3-1
2N7002K	SOT-23	N-Channel	350	60	$\pm 20$	0.340	5.3000	Fig.3-4
BSS123	SOT-23	N-Channel	350	100	$\pm 20$	0.170	6.0000	Fig.3-1
BSS138	SOT-23	N-Channel	350	50	$\pm 20$	0.220	3.5000	Fig.3-1
BSS84	SOT-23	P-Channel	225	-50	$\pm 20$	-0.130	10.0000	Fig.3-2
SI2301	SOT-23	P-Channel	1250	-20	$\pm 8$	-2.800	0.1200	Fig.3-2
SI2302	SOT-23	N-Channel	1250	20	$\pm 8$	3.000	0.0720	Fig.3-1
SI2303	SOT-23	P-Channel	250	-30	$\pm 20$	-3.000	0.1300	Fig.3-2
SI2304	SOT-23	N-Channel	250	30	$\pm 20$	2.500	0.0650	Fig.3-1
SI2305	SOT-23	P-Channel	350	-8	$\pm 8$	-4.100	0.0450	Fig.3-2
SI2306	SOT-23	N-Channel	750	30	$\pm 20$	3.160	0.0470	Fig.3-1
SI2307	SOT-23	P-Channel	1100	-30	$\pm 20$	-2.700	0.1380	Fig.3-2



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SI2310	SOT-23	N-Channel	350	60	$\pm 20$	3.000	0.1050	Fig.3-1
SI2312	SOT-23	N-Channel	350	20	$\pm 8$	5.000	0.0318	Fig.3-1
SI2321	SOT-23	P-Channel	350	-20	$\pm 12$	-2.900	0.0570	Fig.3-2
SI3400A	SOT-23	N-Channel	400	30	$\pm 12$	5.800	0.0320	Fig.3-1
SI3401	SOT-23	P-Channel	350	-30	$\pm 12$	-4.200	0.0650	Fig.3-2
SI3401A	SOT-23	P-Channel	400	-30	$\pm 12$	-4.200	0.0600	Fig.3-2
SI3404	SOT-23	N-Channel	350	30	$\pm 20$	5.800	0.0280	Fig.3-1
SI3415	SOT-23	P-Channel	350	-20	$\pm 8$	-4.000	0.0500	Fig.3-3
SI3420	SOT-23	N-Channel	350	20	$\pm 12$	6.000	0.0240	Fig.3-1
SI3434	SOT-23	N-Channel	300	30	$\pm 10$	5.000	0.0420	Fig.3-4
SI8810	SOT-23	N-Channel	300	20	$\pm 12$	7.000	0.0200	Fig.3-4
2N7002KW	SOT-323	N-Channel	200	60	1~2.5	0.340	5.3000	Fig.3-4
2N7002W	SOT-323	N-Channel	200	60	$\pm 20$	0.115	7.5000	Fig.3-1
2SK3018	SOT-323	N-Channel	200	30	$\pm 20$	0.100	8.0000	Fig.3-5
SI2101	SOT-323	P-Channel	290	-20	$\pm 8$	-1.400	0.1000	Fig.3-2
2N7002T	SOT-523	N-Channel	150	60	$\pm 20$	0.115	7.5000	Fig.3-1
2SK3019	SOT-523	N-Channel	150	30	$\pm 20$	0.100	8.0000	Fig.3-5
SI4153	SOT-523	N-Channel	150	20	$\pm 6$	0.915	0.5700	Fig.3-4
SI3139KE	SOT-523	P-Channel	150	-20	$\pm 12$	-0.660	0.5200	Fig.3-3
MC3541	SOT-723	N-Channel	150	30	$\pm 20$	0.100	8.0000	Fig.3-5
SI3134K	SOT-723	N-Channel	150	20	$\pm 12$	0.750	0.3800	Fig.3-5
SI3139K	SOT-723	P-Channel	150	-20	$\pm 6$	-0.660	0.5200	Fig.3-3
SI3134KL	SOT-883	N-Channel	100	20	$\pm 12$	0.750	0.3800	Fig.3-5
MCP04N60	TO-220	N-Channel	2000	600	$\pm 30$	4.000	3.0000	Fig.3-1
MCP04N65	TO-220	N-Channel	2000	650	$\pm 30$	4.000	3.0000	Fig.3-1
MCP55H12	TO-220	N-Channel	2000	55	$\pm 20$	120.000	0.0055	Fig.3-1
MCP85N80	TO-220	N-Channel	2000	85	$\pm 20$	80.000	0.0085	Fig.3-1
MCPFD4N60	TO-220F	N-Channel	2000	600	$\pm 30$	4.000	3.0000	Fig.3-1



SOT-23

SOT-323

SOT-523

SOT-723

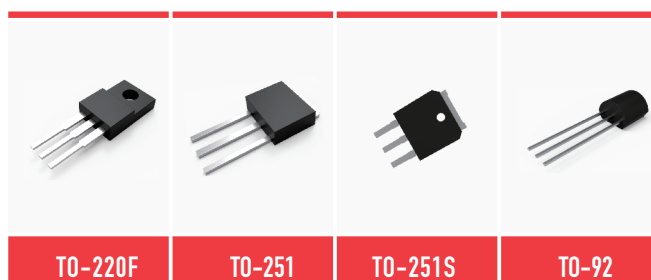
SOT-883

TO-220

TO-220F

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			$P_D$ mW	$V_{DS}$ V	$V_{GS(th)}$ V	$I_D$ A	$R_{DS(on)}$ $\Omega$	
MCPF04N65	TO-220F	N-Channel	2000	650	$\pm 30$	4.000	3.0000	Fig.3-1
MCPF05N60B	TO-220F	N-Channel	2000	600	$\pm 30$	5.000	2.5000	Fig.3-1
MCPF08N60	TO-220F	N-Channel	2000	600	$\pm 30$	8.000	1.3000	Fig.3-1
MCPF12N65	TO-220F	N-Channel	2000	650	$\pm 30$	12.000	0.8500	Fig.3-1
MCD04N60	TO-251	N-Channel	2000	600	$\pm 20$	4.000	3.0000	Fig.3-1
MCD04N65	TO-251	N-Channel	1250	650	$\pm 30$	4.000	3.0000	Fig.3-1
MCDS04N60	TO-251S	N-Channel	1250	600	$\pm 30$	4.000	3.0000	Fig.3-1
2N7000	TO-92	N-Channel	625	60	$\pm 20$	0.200	5.0000	Fig.3-1



## ► MOSFET Product Internal Configuration

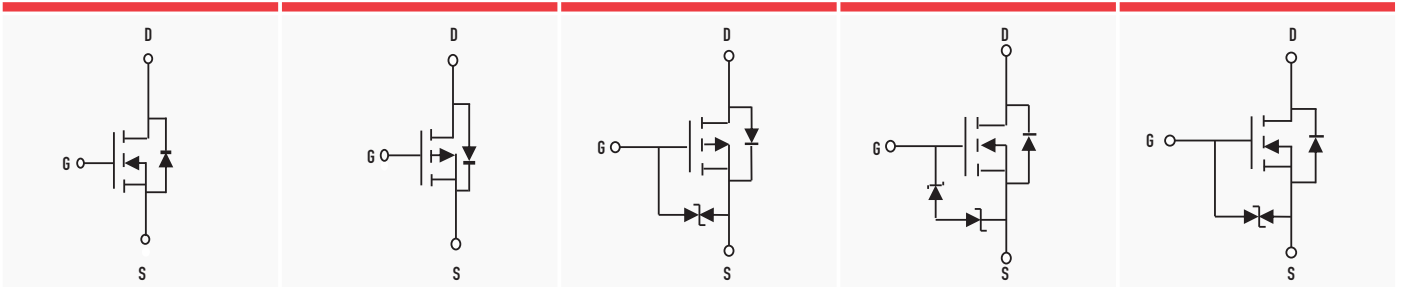


Fig.3-1 Fig.3-2 Fig.3-3 Fig.3-4 Fig.3-5

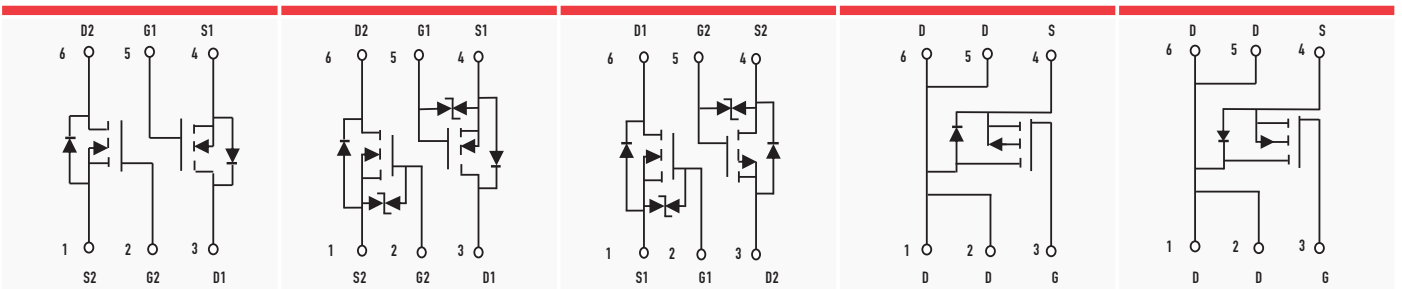


Fig.6-1 Fig.6-2 Fig.6-3 Fig.6-4 Fig.6-5

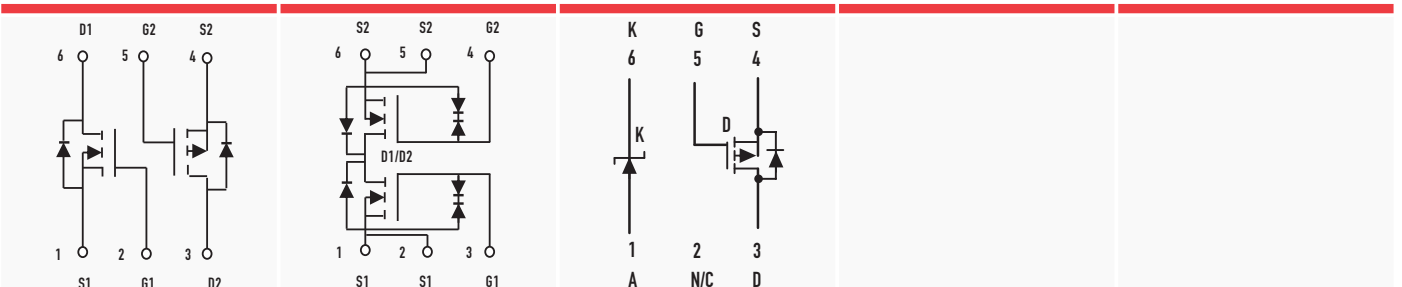


Fig.6-6 Fig.6-7 Fig.6-8

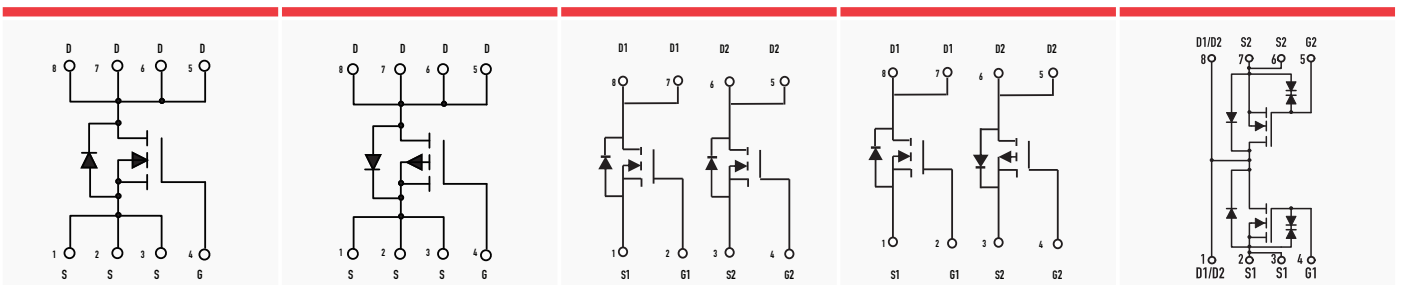


Fig.8-1 Fig.8-2 Fig.8-3 Fig.8-4 Fig.8-5