























































High Voltage MOSFET

Product Family △▽	Product △▽	Vds [V] △▽	Ids [A] 25°C △▽	Vgs(th) [Max V] △▽	Rds(on) [Ohm Max] Max △▽	at Vgs=10V Typ △▽	Qg[nC] △▽	Option △▽	Package △▽	Datasheet △▽
200V N-Ch	MDD4N20YRH	200	3.0	2.0	1.35	1.10	3.2		DPAK	
200V N-Ch	MDHT4N20URH	200	0.85	2.0	1.35	1.10	3.2		SOT-223	
250V N-Ch	MDD4N25RH	250	3.0	5.0	1.75	1.38	4.2		DPAK	
250V N-Ch	MDHT4N25URH	250	0.85	5.0	1.30	1.05	3.0		SOT-223	
250V N-Ch	MDD7N25RH	250	6.2	5.0	0.55	0.43	11.0		DPAK	
250V N-Ch	MDHT7N25URH	250	1.4	5.0	0.55	0.43	11.0		SOT-223	
250V N-Ch	MDD14N25CRH	250	10.2	4.0	0.28	0.22	20.0	C-ver.	DPAK	
400V N-Ch	MDI3N40TH	400	2.0	5.0	3.40	2.80	5.1		IPAK	
400V N-Ch	MDHT3N40URH	400	1.5	5.0	3.40	2.80	5.1		SOT-223	
400V N-Ch	MDD5N40RH	400	3.4	5.0	1.50	1.20	9.0		DPAK	
400V N-Ch	MDD3N40TH	400	2.0	5.0	3.40	2.80	5.1		DPAK	
400V N-Ch	MDI5N40TH	400	3.4	5.0	1.50	1.20	9.0		IPAK	
500V N-Ch	MDD3N50RH	500	2.8	5.0	2.50	2.10	6.0		DPAK	
500V N-Ch	MDD3N50GRH	500	2.8	5.0	2.50	2.10	6.0	G-ver.	DPAK	
500V N-Ch	MDF3N50TH	500	2.8	5.0	2.50	2.10	6.8		TO-220F	
500V N-Ch	MDD5N50RH	500	4.4	5.0	1.40	1.15	12.2		DPAK	
500V N-Ch	MDD5N50GRH	500	4.4	5.0	1.40	1.15	12.2	G-ver.	DPAK	
500V N-Ch	MDD5N50FRH	500	4.2	4.5	1.55	1.25	12.2	R2FET	DPAK	
500V N-Ch	MDD5N50ZRH	500	4.4	5.0	1.40	1.15	12.2	Zener	DPAK	
500V N-Ch	MDI5N50TH	500	4.4	5.0	1.40	1.15	12.2		IPAK	
500V N-Ch	MDP5N50TH	500	5.0	5.0	1.40	1.15	12.2		TO-220	
500V N-Ch	MDP5N50FTH	500	4.4	5.0	1.55	1.25	12.2	R2FET	TO-220	
500V N-Ch	MDP5N50ZTH	500	5.0	5.0	1.40	1.15	12.2	Zener	TO-220	
500V N-Ch	MDF5N50TH	500	5.0	5.0	1.40	1.15	12.2		TO-220F	
500V N-Ch	MDF5N50FTH	500	4.5	4.5	1.55	1.25	12.2	R2FET	TO-220F	
500V N-Ch	MDF5N50ZTH	500	5.0	5.0	1.40	1.15	12.2	Zener	TO-220F	
500V N-Ch	MDP7N50TH	500	7.0	5.0	0.90	0.76	17.5		TO-220	
500V N-Ch	MDF7N50TH	500	7.0	5.0	0.90	0.76	17.5		TO-220F	
500V N-Ch	MDP9N50TH	500	9.0	5.0	0.85	0.72	19.0		TO-220	
500V N-Ch	MDF9N50TH	500	9.0	5.0	0.85	0.72	19.0		TO-220F	
500V N-Ch	MDP10N50TH	500	10.0	5.0	0.75	0.65	20.4		TO-220	
500V N-Ch	MDF10N50TH	500	10.0	5.0	0.75	0.65	20.4		TO-220F	
500V N-Ch	MDP12N50TH	500	12.0	5.0	0.65	0.55	22.7		TO-220	
500V N-Ch	MDP12N50FTH	500	11.5	5.0	0.72	0.61	22.7	R2FET	TO-220	
500V N-Ch	MDF12N50TH	500	12.0	5.0	0.65	0.55	22.7		TO-220F	
500V N-Ch	MDF12N50FTH	500	11.5	4.5	0.70	0.59	20.0	R2FET	TO-220F	
500V N-Ch	MDP13N50TH	500	13.0	5.0	0.50	0.39	33.0		TO-220	

500V N-Ch	MDP13N50GTH	500	13.0	5.0	0.50	0.39	33.0	G-ver.	TO-220	
500V N-Ch	MDF13N50GTH	500	13.0	5.0	0.50	0.39	33.0	High Rg	TO-220F	
500V N-Ch	MDFS13N50GTH	500	13.0	5.0	0.50	0.39	33.0	G-ver.	TO-220F	
500V N-Ch	MDF13N50TH	500	13.0	5.0	0.50	0.39	33.0		TO-220F	
500V N-Ch	MDP16N50GTH	500	16.0	5.0	0.35	0.30	34.9	G-ver.	TO-220	
500V N-Ch	MDF16N50GTH	500	16.0	5.0	0.35	0.30	34.9	G-ver.	TO-220F	
500V N-Ch	MDQ16N50GTP	500	16.5	5.0	0.35	0.30	34.9	G-ver.	TO-247	
500V N-Ch	MDP18N50TH	500	18.0	5.0	0.27	0.22	48.0		TO-220	
500V N-Ch	MDP18N50GTH	500	18.0	5.0	0.27	0.22	48.0	G-ver.	TO-220	
500V N-Ch	MDF18N50TH	500	18.0	5.0	0.27	0.22	48.0		TO-220F	
500V N-Ch	MDF18N50GTH	500	18.0	5.0	0.27	0.22	48.0	High Rg	TO-220F	
500V N-Ch	MDQ18N50GTP	500	20.0	5.0	0.27	0.22	34.9	G-ver.	TO-247	
500V N-Ch	MDF13N50BTH	500	13.0	4.0	0.5	0.39	27.0	B-ver.	TO-220F	
500V N-Ch	MDF18N50BTH	500	18.0	4.0	0.27	0.22	48.0	B-ver.	TO-220F	
500V N-Ch	MDF5N50FBTH	500	4.5	4.0	1.55	1.25	10.7	R2FET, B-ver.	TO-220F	
500V N-Ch	MDF5N50BTH	500	5.0	4.0	1.40	1.15	11.5	B-ver.	TO-220F	
500V N-Ch	MDF9N50BTH	500	9.0	4.0	0.85	0.72	15.7	B-ver.	TO-220F	
500V N-Ch	MDL13N50GTH	500	13.0	5.0	0.50	0.39	33.0	High Rg	I2PAK	
500V N-Ch	MDP9N50FTH	500	8.0	4.5	0.90	0.75	16.3	R2FET	TO-220	
500V N-Ch	MDP5N50BTH	500	5.0	4.0	1.40	1.15	11.5	B-ver.	TO-220	
500V N-Ch	MDP9N50BTH	500	9.0	4.0	0.85	0.72	15.7	B-ver.	TO-220	
500V N-Ch	MDP13N50BTH	500	13.0	4.0	0.50	0.39	27.0	B-ver.	TO-220	
500V N-Ch	MDP18N50BTH	500	18.0	4.0	0.27	0.22	48.0	B-ver.	TO-220	
500V N-Ch	MDF12N50BTH	500	11.5	4.0	0.65	0.55	22.7	B-ver.	TO-220F	
500V N-Ch	MDF7N50BTH	500	7.0	4.0	0.90	0.76	21.0	B-ver.	TO-220F	
500V N-Ch	MDF9N50FTH	500	8.0	4.5	0.90	0.75	16.3	R2FET	TO-220F	
500V N-Ch	MDP7N50BTH	500	7.0	4.0	0.90	0.76	21.0	B-ver.	TO-220	
600V N-Ch	MDF6N60BTH	600	6.0	4.0	1.40	1.25	18.0	B-ver.	TO-220F	
600V N-Ch	MDF8N60BTH	600	8.0	4.0	0.95	0.85	25.0	B-ver.	TO-220F	
600V N-Ch	MDF9N60BTH	600	9.0	4.0	0.75	0.65	32.0	B-ver.	TO-220F	
600V N-Ch	MDI1N60STH	600	1.0	5.0	8.50	8.00	5.0	Short Lead	IPAK-SL	
600V N-Ch	MDZ1N60UMH	600	1.0	5.0	8.50	8.00	5.0		TO-92	
600V N-Ch	MDD2N60RH	600	1.9	5.0	3.50	3.20	7.3		DPAK	
600V N-Ch	MDI2N60TH	600	1.9	5.0	3.50	3.20	7.3		IPAK	
600V N-Ch	MDP2N60TH	600	2.0	5.0	3.50	3.20	7.3		TO-220	
600V N-Ch	MDF2N60TH	600	2.0	5.0	4.50	3.60	6.7		TO-220F	
600V N-Ch	MDD4N60RH	600	3.5	5.0	2.22	1.85	11.2		DPAK	
600V N-Ch	MDI4N60TH	600	3.5	5.0	2.22	1.85	11.2		IPAK	
600V N-Ch	MDP4N60TH	600	4.0	5.0	2.22	1.85	11.2		TO-220	
600V N-Ch	MDF4N60TH	600	4.0	5.0	2.22	1.85	11.2		TO-220F	

600V N-Ch	MDFS4N60BTH	600	4.0	4.0	0.75	0.65	11.2	B-ver.	TO-220F	
600V N-Ch	MDD6N60GRH	600	4.5	5.0	1.40	1.25	15.0	G-ver.	DPAK	
600V N-Ch	MDI6N60TH	600	4.5	5.0	1.40	1.25	15.0		IPAK	
600V N-Ch	MDF4N60BTH	600	4.6	4.0	2.00	1.70	12.0	B-ver.	TO-220F	
600V N-Ch	MDP6N60TH	600	6.0	5.0	1.40	1.25	15.0		TO-220	
600V N-Ch	MDF6N60TH	600	6.0	5.0	1.40	1.25	15.0		TO-220F	
600V N-Ch	MDP7N60TH	600	7.0	5.0	1.10	1.00	17.8		TO-220	
600V N-Ch	MDF7N60BTH	600	7.0	4.0	1.10	1.00	17.8	B-ver.	TO-220F	
600V N-Ch	MDF7N60TH	600	7.0	5.0	1.10	1.00	17.8		TO-220F	
600V N-Ch	MDP8N60TH	600	8.0	5.0	0.95	0.85	21.0		TO-220	
600V N-Ch	MDF8N60TH	600	8.0	5.0	0.95	0.85	21.0		TO-220F	
600V N-Ch	MDP9N60TH	600	9.0	5.0	0.75	0.65	27.0		TO-220	
600V N-Ch	MDF9N60TH	600	9.0	5.0	0.75	0.65	27.0		TO-220F	
600V N-Ch	MDP10N60GTH	600	10.0	5.0	0.70	0.58	32.0	G-ver.	TO-220	
600V N-Ch	MDF10N60GTH	600	10.0	5.0	0.70	0.58	32.0	G-ver.	TO-220F	
600V N-Ch	MDFS10N60GTH	600	10.0	5.0	0.70	0.58	32.0	G-ver.	TO-220FS	
600V N-Ch	MDP11N60TH	600	11.0	5.0	0.55	0.45	44.0		TO-220	
600V N-Ch	MDF11N60TH	600	11.0	5.0	0.55	0.45	44.0		TO-220F	
600V N-Ch	MDF11N60GTH	600	11.0	5.0	0.55	0.45	44.0	G-ver.	TO-220F	
600V N-Ch	MDP15N60GTH	600	15.0	5.0	0.40	0.34	49.0	G-ver.	TO-220	
600V N-Ch	MDF15N60GTH	600	15.0	5.0	0.40	0.34	49.0	G-ver.	TO-220F	
600V N-Ch	MDL9N60GTH	600	9.0	5.0	0.75	0.65	27.0	G-ver.	I2PAK	
600V N-Ch	MDF10N60BTH	600	10.0	4.0	0.70	0.58	28.1	B-ver.	TO-220F	
600V N-Ch	MDF11N60BTH	600	11.0	4.0	0.55	0.45	35.1	B-ver.	TO-220F	
600V N-Ch	MDF2N60BTH	600	2.0	4.0	4.50	3.60	7.6	B-ver.	TO-220F	
650V N-Ch	MDFS4N65BTH	650	4.0	4.0	2.20	1.80	11.6	B-ver.	TO-220FS	
650V N-Ch	MDF4N65BTH	650	4.0	4.0	2.20	1.80	11.6	B-ver.	TO-220F	
650V N-Ch	MDI6N65BTH	650	5.7	4.0	1.45	1.22	15.8	B-ver.	IPAK	
650V N-Ch	MDF7N65BTH	650	7.0	4.0	1.35	1.15	18.4	B-ver.	TO-220F	
650V N-Ch	MDF10N65BTH	650	10.0	4.0	1.00	0.85	29.3	B-ver.	TO-220F	
650V N-Ch	MDF11N65BTH	650	12.0	4.0	0.65	0.55	31.0	B-ver.	TO-220F	
650V N-Ch	MDF13N65BTH	650	14.0	4.0	0.46	0.40	54.0	B-ver.	TO-220F	

* R2FET: Rapid Recovery MOSFET, TO-220FS: Trim Lead, IPAK-SL: Short Lead, IPAK-VSL: Very Short Lead
C-Ver.: Vgs(th)=Max 4.0V, G-Ver.: High Rg, B-Ver.: High Rg + Vgs(th)=Max 4.0V

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