



## **Power Portfolio**



## Power Manufacturer Overview



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## 1. Low Voltage MOSFETS (12V...150V) sorted by Rds(on)

### 1.1 MagnaChip

Product Family	Product Number	Configuration	ID [A] 25°C	V <sub>gs(th)</sub> [V, Max.]	R <sub>ds(on)</sub> [m0hm Max.]		Q <sub>g</sub> [nC] Typ at 10V	Special Feature	Package
					at V <sub>gs</sub> =				
					4.5V	10V			
12V N-Ch	MDS1101	Single	25.0	1.9	8.0	-	23	Low Gate Voltage	SOIC8
20V N-Ch	MDA0336EURH	Common Drain	9.0	1.3	9.5	-	22.0	Low Gate Voltage	PDFN25
24V N-Ch	MDCA0418EURH	Common Drain	7.0	1.3	23.0	-	14.0	Low Gate Voltage	SOJ 8
	MDC0531EURH	Common Drain	8.0	1.5	23.0	20.0	10.7	Low Gate Voltage + ESD Diode	TSSOP 8
30V N-Ch	MDU2511SVRH	Single	45	2.7	2.4	1.7	93.4	Fast Schottky Diode	PDFN56
	MDU1511RH	Single	36.1	2.7	3.3	2.4	51.8		PDFN56
	MDU1531RH	Single	42	2.7	3.3	2.4	63.6		PDFN56
	MDU1531SURH	Single	32	3	3.45	2.8	63	Fast Schottky Diode	PDFN56
	MDU1517RH	Single	32.9	2.7	4.4	2.9	41.5		PDFN56
	MDU1512RH	Single	30.4	2.7	5	3.4	35.3		PDFN56
	MDV1529EURH	Single	28	2.7	5.2	3.7	44		PDFN33
	MDS1521URH	Single	18.8	2.7	5.5	4	38.3		SOIC 8
	MDU1518URH	Single	27.3	2.7	6.2	4.2	28.8		PDFN56
	MDU1538RH	Single	48	3	6.2	4.2	32.4		PDFN56
	MDU1532SURH	Single	32	3	5.3	4.2	42.1	Fast Schottky Diode	PDFN56
	MDU1513URH	Single	26.1	2.7	7	4.6	27		PDFN56
	MDD1503RH	Single	28.2	2.7	6.8	4.7	28		DPAK
	MDV1542URH	Single	30	2	6.8	4.9	29		PDFN33
	MDV1522URH	Single	19.9	2.7	6.8	4.9	29.4		PDFN33
	MDD1501RH	Single	25.1	2.7	8.6	5.6	20.7		DPAK
	MDU1514URH	Single	22.8	2.7	9	6	19		PDFN56
	MDV1523URH	Single	17.8	2.7	8.4	6.1	25.5		PDFN33
	MDU1515URH	Single	20.8	2.7	11	7.2	17.5		PDFN56
	MDU1535URH	Single	32	3	10.5	8	18.5		PDFN56
	MDV1524URH	Single	15.4	2.7	11.6	8.1	15.9		PDFN33
	MDS1524URH	Single	13.2	2.7	11.6	8.1	16.2		SOIC 8
	MDD1502RH	Single	20.4	2.7	13	8.5	14.3		DPAK
	MDIS1502TH	Single	20.4	2.7	13	8.5	14.3		VS IPAK
	MDU1536URH	Single	32	3	14	9	14		PDFN56
	MDU1516URH	Single	18.6	2.7	14	9	14.6		PDFN56
	MDV1525URH	Single	13.8	2.7	14	10.1	12.6		PDFN33
	MDS1525URH	Single	11.8	2.7	14.9	10.1	13		SOIC 8
	MDV1545URH	Single	28	2	14	10.1	14		PDFN33
	MDV1595SURH	Single	36.1	2	13	10.7	22.3	Fast Schottky Diode	PDFN33
	MDV1545SURH	Single	32	2	13	10.7	24.9	Fast Schottky Diode	PDFN33
	MDS1526URH	Single	11.3	2.7	16.4	11	11.2		SOIC 8
MDV1526URH	Single	13.2	2.7	16.4	11	11.2		PDFN33	
MDD1504RH	Single	17.2	2.7	18.8	12.7	9.7		DPAK	

Product Family	Product Number	Configuration	ID [A] 25°C	V <sub>gs(th)</sub> [V, Max.]	R <sub>ds(on)</sub> [mOhm Max.]		Q <sub>g</sub> [nC] Typ at 10V	Special Feature	Package
					at V <sub>gs</sub> =				
					4.5V	10V			
30V N-Ch	MDS1527URH	Single	9.4	2.7	23.7	15.9	7.8		SOIC 8
	MDV1527URH	Single	11	2.7	23.7	15.9	7.9		PDFN33
	MDV1548URH	Single	28	2	27.8	18.8	6.7		PDFN33
	MDS1528URH	Single	8.7	2.7	27.8	18.8	7.3		SOIC 8
	MDV1528URH	Single	10.1	2.7	27.8	18.8	7.3		PDFN33
30V Dual N-Ch	MDU5692SVRH	Asymmetric	100	2.2	2.5	2	70	Fast Schottky Diode	Dual PDFN56
	MDU5692SVRH	Asymmetric	52	3	8.5	5.4	20	Fast Schottky Diode	Dual PDFN56
	MDU5693VRH	Asymmetric	100	2.2	3.2	2.5	46.8		Dual PDFN56
	MDU5693VRH	Asymmetric	52	3	8.5	5	20		Dual PDFN56
	MDU5593SVRH	Asymmetric	21	3	5	3.3	26.1	Fast Schottky Diode	Dual PDFN56
	MDU5593SVRH	Asymmetric	13	3	11	8	18	Fast Schottky Diode	Dual PDFN56
	MDS5601URH	Dual	10	2.7	16.1	10.5	15.7		SOIC 8
MDS5652URH	Dual	7.5	3	35	22	11.7		SOIC 8	
30V P-Ch	MDS3653URH	Single	-14.6	-2	15	7	70		SOIC 8
	MDU3603RH	Single	-67	-3	-	9.1	38.4		PDFN56
	MDS3603URH	Single	-12	-3	-	10.1	38.4		SOIC 8
	MDS3604URH	Single	-11	-3	-	12.1	30.5		SOIC 8
	MDV3604URH	Single	-12.6	-3	-	12.1	30.5		PDFN33
	MDU3605RH	Single	-35.6	-3	27	17	22		PDFN56
	MDS3652URH	Single	-11	-3	27	17	35		SOIC 8
	MDV3605URH	Single	-20	-3	28	18	22		PDFN33
	MDS3651URH	Single	-6	-3	55	35	18.4		SOIC 8
30V Dual N/P-Ch	MDS9652EURH	Complementary	7.2	3	30	23	12.8		SOIC 8
	MDS9652EURH	Complementary	-6.1	-3	52	38	25.1		SOIC 8
	MDS9651URH	Complementary	6.9	3	42	28	6.94		SOIC 8
	MDS9651URH	Complementary	-6	-3	55	35	18.4		SOIC 8
40V N-Ch	MDU1721VRH	Single	32.9	3	-	1.4	100		PDFN56
	MDU1722VRH	Single	26.3	3	-	2.2	64		PDFN56
	MDP1723TH	Single	120	4	-	2.3	88.3		TO-220
	MDD1752RH	Single	15.2	3	10.5	8	26.4		DPAK
	MDE1752RH	Single	66	3	10.5	8	26.4		D2 PAK
	MDI1752TH	Single	9.9	3	10.5	8	26.4		IPAK
	MDF1752TH	Single	12.6	3	10.5	8	26.4		TO-220F
	MDD1754RH	Single	20.5	3	35	27	9.2		DPAK
	MDS1754RH	Single	7.6	3	37	29	9.2		SOIC 8
MDU04N010VRH	Single	100	2	-	1	94.9	Sub 1mOhm	PDFN56	
40V P-Ch	MDD3752ARH	Single	43	-	-	13	-		D-Pak
	MDD3752RH	Single	-43	-3	25	17	44.1		DPAK
	MDF3752TH	Single	-36.5	-3	25	17	44.1		TO-220F
	MDS3753EURH	Single	-7.1	-3	37	30	32.7		SOIC 8
	MDD3754RH	Single	-24.4	-3	58	43	19.2		DPAK
	MDS3754ARH	Single	-6	-3	60	45	15.6		SOIC 8
60V N-Ch	MDES06N010	Single	180	4	1.0	-	-	available in Q2/17	TO-263-7P
	MDU06N031VRH	Single	100	4	-	3.1	61.9		PDFN56
	MDP06N033TH	Single	120	4	-	3.2	60		TO-220

Product Family	Product Number	Configuration	ID [A] 25°C	V <sub>gs(th)</sub> [V, Max.]	R <sub>ds(on)</sub> [mOhm Max.] at V <sub>gs</sub> =		Q <sub>g</sub> [nC] Typ at 10V	Special Feature	Package
					4.5V	10V			
60V N-Ch	MDP06N090TH	Single	62	3.2	-	9	32.2		TO-220
	MDD06N100RH	Single	50	3.2	-	10	32.2		DPAK
	MDU06N110RH	Single	52	3.2	-	11	32.2		PDFN56
	MDD1951RH	Single	4.4	3	55	45	4.8		DPAK
	MDV1951BURH	Single	6	3	55	45	9		PDFN33
	MDS1951URH	Single	6	3	55	45	9		SOIC 8
60V Dual N-Ch	MDS5951URH	Dual	4.5	3	60	50	9	Dual identical	SOIC 8
80V N-Ch	MDP1930TH	Single	120	4	-	2.3	186.3		TO-220
	MDP1932TH	Single	120	4	-	3.4	105		TO-220
	MDU1931VRH	Single	20.6	4	-	3.8	65		PDF56
	MDP1933TH	Single	105	4	-	7	59.4		TO-220
	MDF1933TH	Single	43	4	-	7.3	59.4		TO-220F
100V N-Ch	MDP1921TH	Single	120	4	-	4.5	100		TO-220
	MDF1921TH	Single	60	4	-	4.8	100		TO-220F
	MDP1922TH	Single	97	4	-	8.4	54.5		TO-220
	MDF1922TH	Single	40	4	-	8.7	54.5		TO-220F
	MDP1923TH	Single	69	4	-	13.9	42.8		TO-220
	MDD1901RH	Single	40	4	-	22	75		DPAK
	MDP1901TH	Single	36	4	-	22	75		TO-220
	MDD1902RH	Single	40	4	-	28	39.8		DPAK
	MDD1903RH	Single	12.8	3	-	105	8.8		DPAK
	MDIS1903TH	Single	12.8	3	-	105	8.8		VS IPAK
	MDF1903TH	Single	12	3	-	110	8.8		TO-220F
	MDS1903URH	Single	3.3	3	-	120	8.8		SOIC 8
	MDD1904RH	Single	10.4	3	-	140	6.7		DPAK
	150V N-Ch	MDD1051RH	Single	28	3.2	-	46.0	19.6	

## 1.2 Microchip

Product Family	Product Number	Configuration	V <sub>ds</sub> [V]	ID [A] 25°C	V <sub>gs(th)</sub> [V, Max.]	R <sub>ds(on)</sub> [Ohm Max.] at V <sub>gs</sub> =		Q <sub>g</sub> [nC] Typ at 4.5V	Package
						4.5V	10V		
25 V N-Ch	MCP87130	Single	25	43	1.7	2.2	1.9	5.5	8-PDFN
	MCP87090	Single	25	51	1.7	2.6	2.3	7.5	8-PDFN
	MCP87055	Single	25	60	1.7	4.0	3.5	11	8-PDFN
	MCP87050	Single	25	100	1.6	6.0	5.0	12.5	8-PDFN
	MCP87030	Single	25	100	1.6	7.0	6.0	17	8-PDFN
	MCP87022	Single	25	100	1.6	12.0	10.5	25.5	8-PDFN
	MCP87018	Single	25	100	1.6	16.5	13.5	32.5	8-PDFN

## 2. High Voltage Planar MOSFETS (200V...700V) - MagnaChip sorted by Rds(on)

Product Family	Product Number	ID [A] 25°C	V <sub>gs(th)</sub> [V, Max.]	R <sub>ds(on)</sub> [Ohm Max.] at V <sub>gs</sub> =10V		Q <sub>g</sub> [nC, Typ]	Special Features	Package
				Typ	Max			
200V N-Ch	MDD7N20CRH	5	4	0.58	0.69	5.1		DPAK
	MDHT4N20YURH	0.85	2	1.1	1.35	3.2		SOT-223
250V N-Ch	MDD4N20YRH	3	2	1.1	1.35	3.2		DPAK
	MDD14N25CRH	10.2	4	0.22	0.28	20		DPAK
	MDP14N25CTH	14	4	0.22	0.28	20		TO-220
	MDHT7N25URH	1.4	5	0.43	0.55	11		SOT-223
	MDD7N25RH	6.2	5	0.43	0.55	10.4		DPAK
	MDHT4N25URH	0.83	5	1.38	1.75	4.2		SOT-223
	MDD4N25RH	3	5	1.38	1.75	4.2		DPAK
400V N-Ch	MDD9N40RH	6	5	0.67	0.85	9.6		DPAK
	MDD5N40RH	3.4	5	1.2	1.6	9		DPAK
	MDIS5N40TH	3.4	5	1.2	1.6	9		VS IPAK
	MDHT3N40URH	1.5	5	2.8	3.4	5.1		SOT-223
	MDD3N40RH	2	5	2.8	3.4	5.1		DPAK
	MDIS3N40TH	2	5	2.8	3.4	5.1		VS IPAK
500V N-Ch	MDQ23N50DTP	23	4	0.2	0.25	65	Improved for EMI	TO-247
	MDF18N50TH	18	5	0.22	0.27	48		TO-220F
	MDF18N50BTH	18	4	0.22	0.27	48	High Rg	TO-220F
	MDP18N50TH	18	5	0.22	0.27	48		TO-220
	MDP18N50BTH	18	4	0.22	0.27	48	High Rg	TO-220
	MDF16N50GTH	16	5	0.3	0.35	34.9	High Rg	TO-220F
	MDP16N50GTH	16	5	0.3	0.35	34.9	High Rg	TO-220
	MDQ16N50GTP	16.5	5	0.3	0.35	34.9	High Rg	TO-247
	MDF13N50TH	13	5	0.39	0.5	33		TO-220F
	MDF13N50BTH	13	4	0.39	0.5	27	High Rg	TO-220F
	MDP13N50TH	13	5	0.39	0.5	33		TO-220
	MDP13N50BTH	13	4	0.39	0.5	27	High Rg	TO-220
	MDF12N50BTH	11.5	4	0.55	0.65	19.3	High Rg	TO-220F
	MDP12N50BTH	11.5	4	0.55	0.65	19.3	High Rg	TO-220
	MDF12N50TH	12	5	0.55	0.65	22.7		TO-220F
	MDP12N50TH	12	5	0.55	0.65	22.7		TO-220
	MDF12N50FTH	11.5	4.5	0.59	0.7	20	Rapid Recovery MOSFET	TO-220F
	MDP12N50FTH	11.5	4.5	0.59	0.7	20	Fast Schottky Diode	TO-220
	MDF9N50TH	9	5	0.72	0.85	19		TO-220F
	MDF9N50BTH	9	4	0.72	0.85	15.7	High Rg	TO-220F
	MDP9N50TH	9	5	0.72	0.85	19		TO-220
	MDP9N50BTH	9	4	0.72	0.85	15.7	High Rg	TO-220
	MDF7N50TH	7	5	0.76	0.9	17.5		TO-220F
	MDF7N50BTH	7	4	0.76	0.9	14.9	High Rg	TO-220F
	MDP7N50TH	7	5	0.76	0.9	17.5		TO-220
	MDP7N50BTH	7	4	0.76	0.9	14.9	High Rg	TO-220
	MDF9N50FTH	8	4.5	0.75	0.9	16.3	Fast Schottky Diode	TO-220F
	MDP9N50FTH	8	4.5	0.75	0.9	16.3	Fast Schottky Diode	TO-220
MDD5N50RH	4.4	5	1.15	1.4	12.2		DPAK	
MDD5N50GRH	4.4	5	1.15	1.4	12.2	High Rg	DPAK	

Product Family	Product Number	ID [A] 25°C	V <sub>gs(th)</sub> [V, Max.]	R <sub>ds(on)</sub> [Ohm Max.] at V <sub>gs</sub> =10V		Q <sub>g</sub> [nC, Typ]	Special Features	Package
				Typ	Max			
				500V N-Ch	MDIS5N50TH			
MDF5N50TH	5	5	1.15		1.4	12.2		TO-220F
MDF5N50BTH	5	4	1.15		1.4	11.5	High Rg	TO-220F
MDP5N50TH	5	5	1.15		1.4	12.2		TO-220
MDP5N50BTH	5	4	1.15		1.4	11.5	High Rg	TO-220
MDD5N50FRH	4.2	4.5	1.25		1.55	12.2	Fast Schottky Diode	DPAK
MDF5N50FTH	4.5	4.5	1.25		1.55	12.2	Fast Schottky Diode	TO-220F
MDP5N50FTH	4.5	4.5	1.25		1.55	12.1	Fast Schottky Diode	TO-220
MDD3N50GRH	2.8	5	2.1		2.5	6.75	High Rg	DPAK
MDF3N50TH	2.8	5	2.1		2.5	6.75		TO-220F
600V N-Ch	MDF15N60GTH	15	5	0.34	0.4	49	High Gate Voltage	TO-220F
	MDP15N60GTH	15	5	0.34	0.4	49	High Gate Voltage	TO-220
	MDF(S)11N60TH	11	4	0.45	0.55	38.4		TO-220F(S)
	MDP11N60TH	11	5	0.45	0.55	38.4		TO-220
	MDF10N60BTH	10	4	0.58	0.7	26.6	High Rg	TO-220F
	MDF10N60GTH	10	5	0.58	0.7	32	High Gate Voltage	TO-220F
	MDP10N60GTH	10	5	0.58	0.7	32	High Gate Voltage	TO-220
	MDF9N60TH	9	5	0.65	0.75	27		TO-220F
	MDP9N60TH	9	5	0.65	0.75	27		TO-220
	MDFS10N60DTH	10	4	0.62	0.75	42.9	Improved for EMI	TO-220FS
	MDF9N60BTH	9	4	0.65	0.8	23.9	High Rg	TO-220F
	MDF8N60TH	8	5	0.85	1	21		TO-220F
	MDP8N60TH	8	5	0.85	1	21		TO-220
	MDF8N60BTH	8	4	0.85	1.05	18.1	High Rg	TO-220F
	MDF7N60TH	7	5	1	1.15	17.8		TO-220F
	MDF7N60BTH	7	4	1	1.15	20.1	High Rg	TO-220F
	MDP7N60TH	7	5	1	1.15	17.8		TO-220
	MDD6N60GRH	4.5	5	1.25	1.4	15.3	High Rg	DPAK
	MDF6N60TH	6	5	1.2	1.4	15.4		TO-220F
	MDP6N60TH	6	5	1.2	1.4	15.4		TO-220
	MDI6N60BTH	4.5	4	1.2	1.45	13.6	High Rg	IPAK
	MDF6N60BTH	6	4	1.2	1.45	13.6	High Rg	TO-220F
	MDD4N60RH	3.5	5	1.7	2	12.1		DPAK
	MDD4N60BRH	3.5	4	1.7	2	10.4	High Rg	DPAK
	MDI4N60TH	3.5	5	1.7	2	12.1		IPAK
	MDI4N60BTH	3.5	4	1.7	2	10.4	High Rg	IPAK
	MDF4N60TH	4.6	5	1.7	2	12.1		TO-220F
	MDF4N60BTH	4.6	4	1.7	2	12	High Rg	TO-220F
	MDP4N60TH	4.6	5	1.7	2	12.1		TO-220
	MDF(S)4N60DTH	4	4	1.85	2.2	14	Improved for EMI	TO-220F(S)
	MDD2N60RH	1.9	5	3.6	4.5	6.7		DPAK
	MDIS2N60TH	1.9	5	3.6	4.5	6.7		VS IPAK
	MDF2N60BTH	2	4	3.6	4.5	6.1	High Rg	TO-220F
MDP2N60TH	2	5	3.6	4.5	6.7		TO-220	
MDZ1N60UMH	0.4	5	7	8.5	3.5		TO-92	
MDI1N60STH	1	5	7	8.5	3.5	Very Short Lead	VS IPAK	



Product Family	Product Number	ID [A] 25°C	V <sub>gs(th)</sub> [V, Max.]	R <sub>ds(on)</sub> [Ohm Max.] at V <sub>gs</sub> =10V		Qg [nC, Typ]	Special Features	Package
				Typ	Max			
650V N-Ch	MDF13N65BTH	14	4	0.4	0.46	54	High Rg	TO-220F
	MDF(S)11N65BTH	12	4	0.55	0.65	31	High Rg	TO-220F(S)
	MDF10N65BTH	10	4	0.85	1	29.3	High Rg	TO-220F
	MDF7N65BTH	7	4	1.15	1.35	18.4	High Rg	TO-220F
	MDI6N65BTH	5.7	4	1.22	1.45	19.4	High Rg	IPAK
	MDF6N65BTH	6	4	1.22	1.45	19.4	High Rg	TO-220F
	MDIS4N65BTH	3.7	4	1.8	2.2	11.6	High Rg	VS IPAK
	MDF4N65BTH	4	4	1.8	2.2	11.6	High Rg	TO-220F
700V N-Ch	MDFS4N65DTH	4	4	2.1	2.55	13.5	Improved for EMI	TO-220FS
	MDIB6N70CTH	5.5	4.0	1.35	1.65	19.0		IPAK

### 3. High Voltage Super Junction MOSFETS (500V...800V) - MagnaChip sorted by R<sub>ds(on)</sub>

Product Family	Product Number	ID [A] 25°C	V <sub>gs(th)</sub> [V, Max.]	R <sub>ds(on)</sub> [Ohm Max.] at V <sub>gs</sub> =10V		Qg [nC, Typ]	Package
				Typ	Max		
500V N-Ch	MMF50R280PTH	13.0	4.0	0.250	0.280	28.6	TO-220F
	MMD50R380PRH	11.0	4.0	0.350	0.380	21.8	DPAK
600V N-Ch	MMQ60R070PTH	53.0	4.0	0.063	0.070	132.0	TO-247
	MMQ60R115PTH	33.0	4.0	0.104	0.115	79.0	TO-247
	MMQ60R115PCTH	33.0	4.0	0.104	0.115	77.0	TO-247
	MMF60R115PTH	33.0	4.0	0.104	0.115	79.0	TO-220F
	MMFT60R115PCTH	33.0	4.0	0.104	0.115	77.0	TO-220FT
	MMQ60R190PTH	20.0	4.0	0.170	0.190	51.0	TO-247
	MMF60R190QTH	20.0	4.0	0.170	0.190	36	TO-220F
	MML60R190PTH	20.0	4.0	0.170	0.190	51.0	TO-262
	MMF60R190PTH	20.0	4.0	0.170	0.190	51.0	TO-220F
	MMP60R190PTH	20.0	4.0	0.170	0.190	51.0	TO-220
	MMP60R195PCTH	20.0	4.0	0.175	0.195	44.0	TO-220
	MMFT60R195PTH	20.0	4.0	0.175	0.195	44.0	TO-220FT
	MMFT60R195PCTH	20.0	4.0	0.175	0.195	51.0	TO-220FT
	MMUB60R199PCURH	20.0	4.0	0.180	0.199	44	PDFN88
	MML60R290PTH	13.0	4.0	0.260	0.290	33.0	TO-262
	MME60R290PRH	13.0	4.0	0.260	0.290	33.0	TO-263
	MMF60R290PTH	13.0	4.0	0.260	0.290	33.0	TO-220F
	MMFT60R290PTH	13.0	4.0	0.260	0.290	33.0	TO-220FT
MMFT60R290PCTH	13.0	4.0	0.260	0.290	32.0	TO-220FT	
MMP60R290PTH	13.0	4.0	0.260	0.290	33.0	TO-220	

Product Family	Product Number	ID [A] 25°C	V <sub>gs(th)</sub> [V, Max.]	R <sub>ds(on)</sub> [Ohm Max.] at V <sub>gs</sub> =10V	R <sub>ds(on)</sub> [Ohm Max.] at V <sub>gs</sub> =10V	Q <sub>g</sub> [nC, Typ]	Package
				Typ	Max		
600V N-Ch	MMP60R290PCTH	13.0	4.0	0.260	0.290	32.0	TO-220
	MMD60R360PRH	11.0	4.0	0.350	0.360	28	DPAK
	MMF60R360PTH	11.0	4.0	0.320	0.360	28.0	TO-220F
	MMP60R360PTH	11.0	4.0	0.320	0.360	28.0	TO-220
	MMD60R360QRH	11.0	4.0	0.320	0.360	19.0	DPAK
	MMF60R360QTH	11.0	4.0	0.320	0.360	19.0	TO-220F
	MMFT60R380PTH	11.0	4.0	0.350	0.380	28.0	TO-220FT
	MMFT60R380PCTH	11.0	4.0	0.350	0.380	25.0	TO-220FT
	MMP60R380PCTH	11.0	4.0	0.350	0.380	25.0	TO-220
	MMD60R360PRH	11.0	4.0	0.350	0.380	28.0	DPAK
	MMD60R580PRH	8.0	4.0	0.530	0.580	25.0	DPAK
	MMF60R580PTH	8.0	4.0	0.530	0.580	18.0	TO-220F
	MMIS60R580PTH	8.0	4.0	0.530	0.580	18.0	VS IPAK
	MMP60R580PTH	8.0	4.0	0.530	0.580	18.0	TO-220
	MMF60R580QTH	8.0	3.5	0.530	0.580	13.0	TO-220F
	MMD60R580PRH	8.0	4.0	0.530	0.580	18.0	DPAK
	MMIS60R580PTH	8.0	4.0	0.530	0.580	18.0	VS IPAK
	MMIS60R750PTH	5.7	4.0	0.680	0.750	14	VS IPAK
	MMF60R750PTH	5.7	4.0	0.680	0.750	14.0	TO-220F
	MMD60R900PRH	4.5	4.0	0.810	0.900	12.3	DPAK
MMIS60R900PTH	4.5	4.0	0.810	0.900	12.3	VS IPAK	
MMP60R750PTH	5.7	4.0	0.680	0.750	14.0	TO-220	
MMD60R750PRH	5.7	4.0	0.680	0.750	14.0	DPAK	
MMIS60R750PTH	5.7	4.0	0.680	0.750	14.0	VS IPAK	
MMD60R900PRH	4.5	4.0	0.810	0.900	12.3	DPAK	
MMIS60R900PTH	4.5	4.0	0.810	0.900	12.3	VS IPAK	
650V N-Ch	MML65R190PTH	20.0	4.0	0.170	0.190	53.0	TO-262
	MMF65R190PTH	20.0	4.0	0.170	0.190	53.0	TO-220F
	MMP65R190PTH	20.0	4.0	0.170	0.190	53.0	TO-220
	MMFT65R195PTH	20.0	4.0	0.175	0.195	53.0	TO-220FT
700V N-Ch	MME70R380PRH	11.0	4.0	0.340	0.380	30.0	TO-263
	MMFT70R380PTH	11.0	4.0	0.340	0.380	30.0	TO-220FT
	MMF70R600PTH	7.3	4.0	0.540	0.600	23.0	TO-220F
	MMD70R600PRH	7.3	4.0	0.540	0.600	23.0	DPAK
	MMD70R750PRH	5.8	4.0	0.670	0.750	18.5	DPAK
	MMF70R900PTH	5.0	4.0	0.810	0.900	15.0	TO-220F
	MMD70R900PRH	5.0	4.0	0.810	0.900	15.0	DPAK
	MMIS70R900PTH	5.0	4.0	0.810	0.900	15.0	VS IPAK
	MMIS70H900QTH	3.2	4.0	1.200	1.400	8.0	VS IPAK
	MMD70R1K4PRH	3.2	4.0	1.260	1.400	11.0	DPAK
MMIS70R1K4PTH	3.2	4.0	1.260	1.400	11.0	VS IPAK	
800V N-Ch	MME80R290PRH	17.0	4.0	0.250	0.290	56.0	TO-263
	MMF80R450PTH	11.0	4.0	0.390	0.450	37.6	TO-220F
	MMF80R650PTH	8.0	4.0	0.560	0.650	25.8	TO-220F
	MMF80R900PTH	6.0	4.0	0.780	0.900	17.6	TO-220F
	MMD80R900PRH	6.0	4.0	0.780	0.900	17.6	DPAK
	MMD80R1K2PRH	4.5	4.0	0.950	1.200	15.2	DPAK
	MMF80R1K2PTH	4.5	4.0	0.950	1.200	15.2	TO-220F

## 4. Ineltek Support

Time to Market has never been more important than it is today. The ability to quickly capitalise on investment is critical to all businesses. By shortening the development cycle, there are two distinct advantages for your business: your development costs are minimised and the opportunity to gain competitive advantage from technological advances in your products is maximised.

The ramification of this development proves to be a major challenge as well as a tremendous dilemma for any Design Engineer. For one thing, whilst organisations have to zero in on the complex business of component selection, they need to simultaneously worry about the success of their projects. As well as this, it is vital to select the most suitable product in terms of price and technical compatibility. In conjunction with the wide range of products and product announcements, this task becomes increasingly challenging.

This is the point where we are able to add true Value.

Through our in-depth, long-term experience of electronic components and displays, we are able to advise the appropriate solution for your applications which:

- best fits your requirements
- meets the available budget
- is available for the lifetime of your product

We are on hand to help and advise you during the training period as well. Considering the current complexity of microcontrollers and their toolsets, you can waste a lot of time on research and on trial and error in development. You can save a great deal of this time with specific product training by Ineltek.

Technical questions and issues frequently arise, especially during the development period. Ineltek helps and advises on site, by phone or via e-mail to help ensure a fluid development phase. Our team of experienced and well educated Application Engineers is the foundation of the service we provide.

**To receive more detailed information like data sheets, price information or samples, please contact an Ineltek office (please view reverse side) in your area, or contact us at [info@ineltek.com](mailto:info@ineltek.com).**



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