

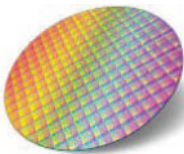
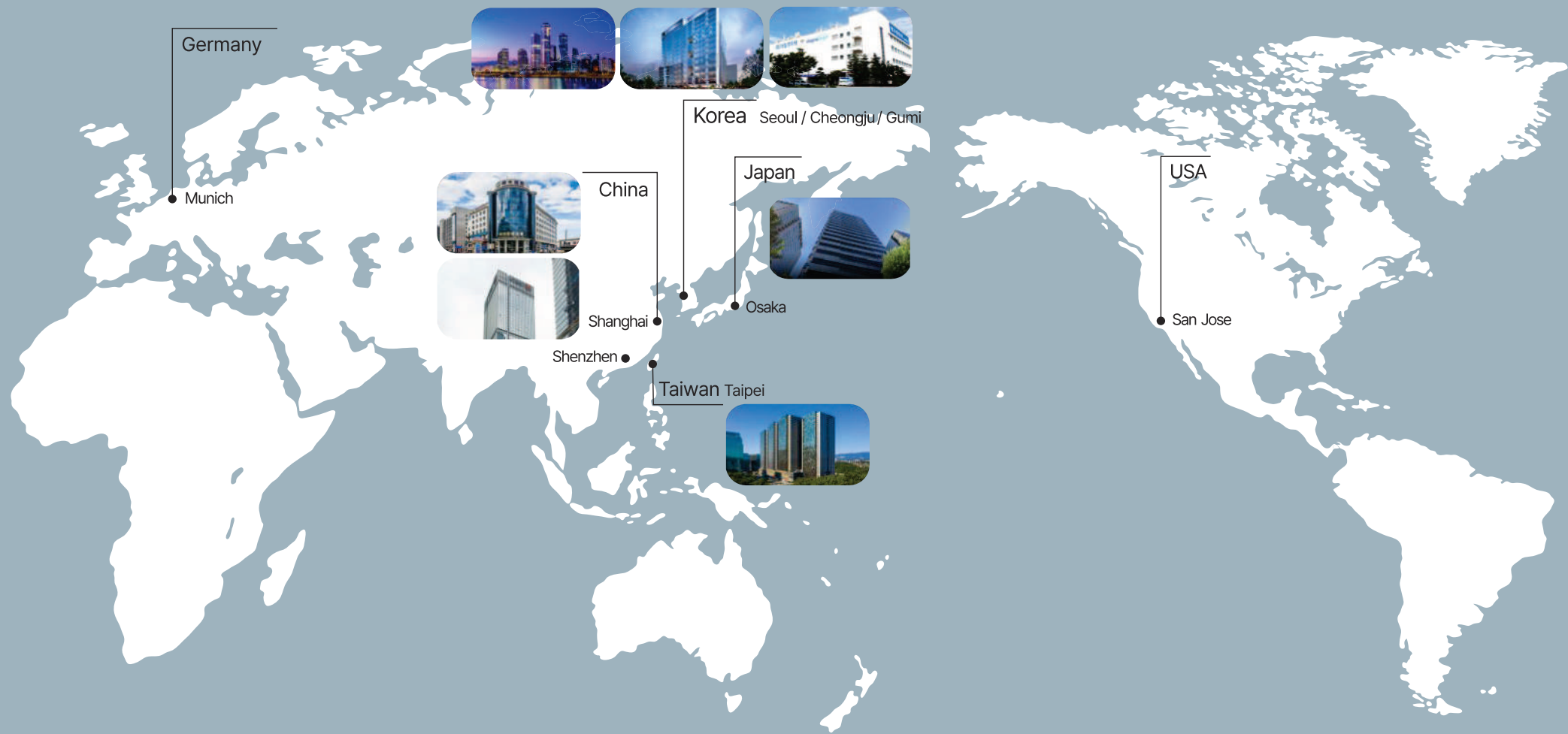
Power solutions selection guide **2025**



Magnachip semiconductor

Global presence

*Magnachip has its headquarters and manufacturing facility in Korea and has offices in China, Japan, and Taiwan.



8-inch Fab (104,198m²)
located in Gumi, Korea

- Established in 1995
- Asia-based supply chain
- 45K wafers/month
- 0.18μm to 0.5μm technology
- Fab is certified to IATF 16949, ISO 9001, ISO 14001, OHSAS 18001 and ISO 27001.

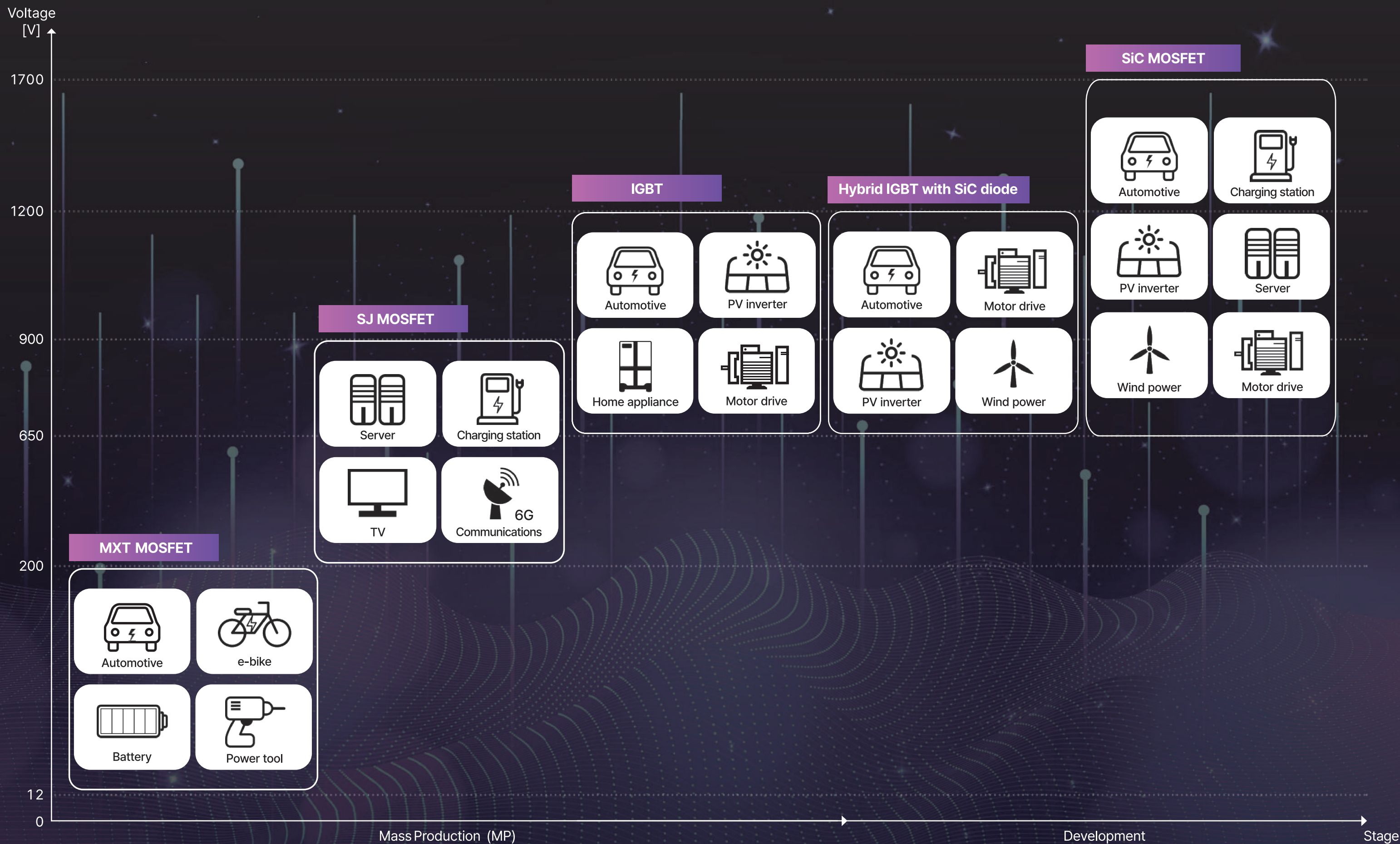
Product families



Sales channels

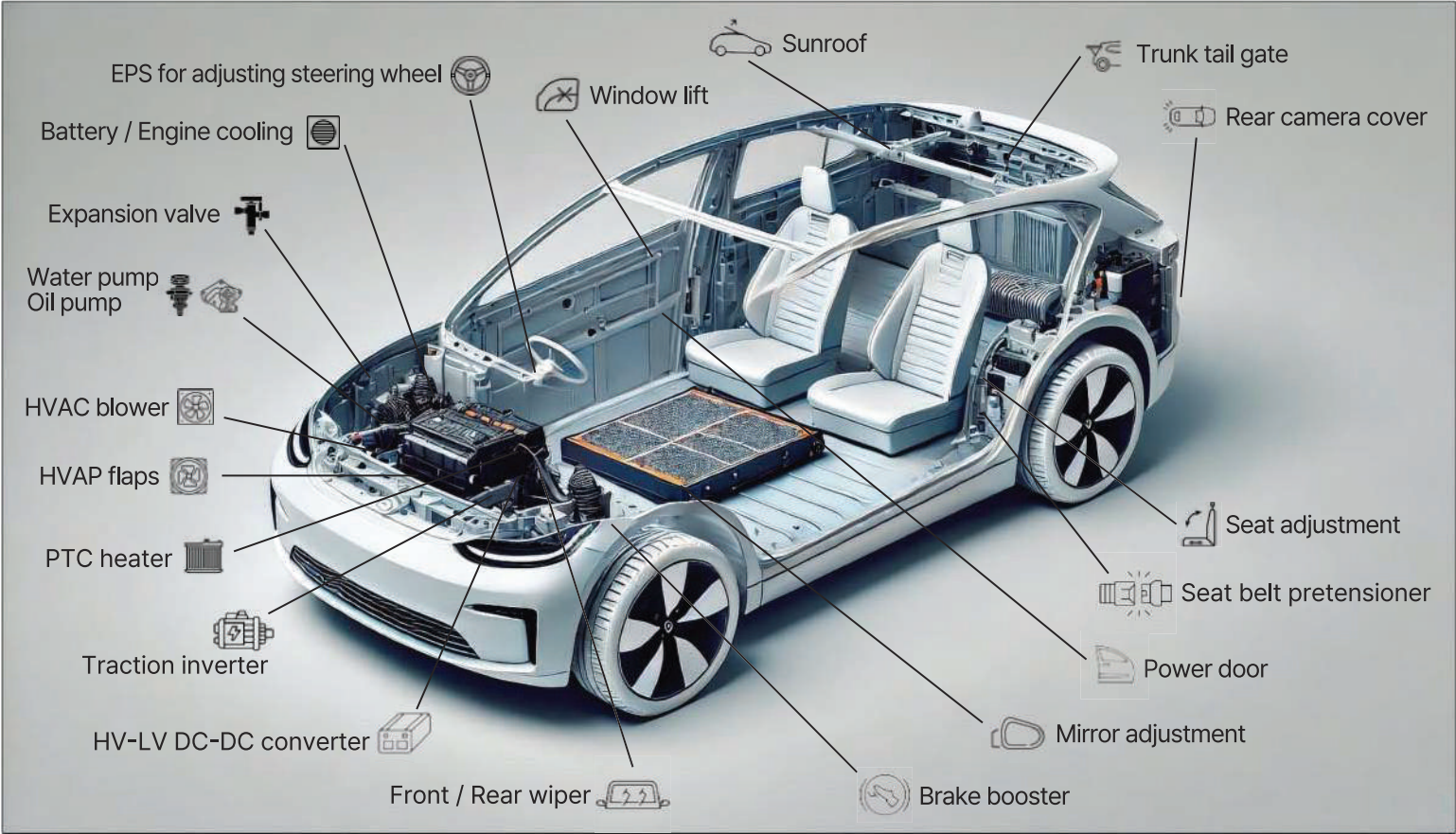
Korea	China	Taiwan	Japan	Europe
INELTEK Design-In Expertise & Service CONTACT US FOR MORE INFORMATION Germany • Austria • United Kingdom • Italy • USA • China (HK & SZ) PHONE+49 7321/9385-0 EMAIL - info@ineltex.com WEB - www.ineltex.com				

Magnachip product portfolio



Magnachip automotive solution

Applications and opportunities



IGBT Automotive

Type	V _{CE}	Product number	I _C [A] @100°C	V _{CE(sat)} [V]	Switching energy [mJ]		Short circuit withstand time [μs]	Option	Package	AEC-Q101	MOQ	Unit / Outer Box	Sample available	Product release
					E _{on}	E _{off}								
High ruggedness	650V	AMBQ40T65PHRTH	40	1.61	2.56	0.83	10	Diode co-pak	TO-247	Qualified	450	1,800	Available	Complete
		AMBQ50T65RFRTH*	50	1.85	1.36	0.49	5	Diode co-pak	TO-247	Qualified	450	1,800	Available	Sep'25
		AMBUM50T65RFRRH*	50	1.85	1.36	0.49	5	Diode co-pak	uM2PAK	Qualified	-	-	Available	Dec'25
		AMBQ50T65S6FRTH*	50	1.65	TBD	0.95	6	Diode co-pak	TO-247	Qualified	450	1,800	Jan'26	Sep'26
		AMBQ75T65PEHTH*	75	1.70	4.69	1.75	5	Diode co-pak	TO-247	Qualified	450	1,800	Available	Sep'25
		AMBQ75T65S6FRTH*	75	1.65	TBD	1.42	6	Diode co-pak	TO-247	Qualified	450	1,800	Jan'26	Sep'26
	1200V	AMBQ40T120RFRATH*	40	1.60	4.20	3.00	10	Diode co-pak	TO-247	Qualified	450	1,800	Available	Dec'25
		AMBUM40T120RRARH*	40	1.60	4.20	3.00	10	None (Diode)	uM2PAK	Qualified	-	-	Available	Sep'25
		AMBQ40T120RFRTH	40	1.75	5.10	2.19	10	Diode co-pak	TO-247	Qualified	450	1,800	Available	Complete
		AMBQ40T120RRTH	40	1.75	5.10	2.19	10	None (Diode)	TO-247	Qualified	450	1,800	Available	Complete

MXT MOSFET Automotive

V _{DS}	Product number	I _D [A] @25°C	V _{GS(th), Typ} [V]	R _{DS(ON)} [mΩ] @V _{GS} =10V		Q _{g, Typ} [nC] @10V	Package	AEC-Q101	MOQ	Unit / Outer Box	Sample available	Product release
				Max.	Typ.							
30V N-Ch	AMDV030N150URH	29.0	1.9	15.0	11.0	8.3	PDFN33	Qualified	10,000	60,000	Available	Complete
40V N-Ch	AMDU040N006PSVRH*	416.0	3.0	0.6	0.5	103.0	PDFN56	Qualified	5,000	50,000	Dec'25	Jun'26
	AMDU040N008PSVRH*	322.0	3.2	0.8	0.6	109.0	PDFN56	Qualified	5,000	50,000	Aug'25	Mar'26
	AMDU040N010PSVRH*	289.0	3.0	1.0	0.8	71.0	PDFN56	Qualified	5,000	50,000	Sep'25	Mar'26
	AMDU040N012PSVRH*	231.0	3.0	1.2	1.0	52.0	PDFN56	Qualified	5,000	50,000	Dec'25	Jun'26
	AMDU040N014VRH	194.0	3.1	1.4	1.1	71.0	PDFN56	Qualified	5,000	50,000	Available	Complete
	AMDU040N015PSVRH*	192.0	3.0	1.5	1.2	42.0	PDFN56	Qualified	5,000	50,000	Dec'25	Jun'26
	AMDU040N020PSVRH*	144.0	3.0	2.0	1.5	30.0	PDFN56	Qualified	5,000	50,000	Dec'25	Jun'26
	AMDU040N024PSVRH*	127.0	3.0	2.4	1.9	26.0	PDFN56	Qualified	5,000	50,000	Aug'25	Mar'26
	AMDU040N028PSVRH*	111.0	3.0	2.8	2.2	22.0	PDFN56	Qualified	5,000	50,000	Dec'25	Jun'26
	AMDU040N028LVRH*	100.0	1.8	2.8	2.4	30.0	PDFN56	Qualified	5,000	50,000	Available	Sep'25
	AMDV040N029LVRH	80.0	1.8	2.9	2.5	30.0	PDFN33	Qualified	10,000	36,000	Available	Complete
	AMDU040N030VRH*	100.0	2.8	3.0	2.6	27.0	PDFN56	Qualified	5,000	50,000	Available	Sep'25
	AMDU040N031PSVRH*	98.0	3.0	3.1	2.7	19.8	PDFN56	Qualified	5,000	50,000	Aug'25	Mar'26
	AMDU040N035LVRH*	94.0	1.8	3.5	2.6	27.0	PDFN56	Qualified	5,000	50,000	Available	Sep'25
	AMDV040N036LVRH	80.0	1.8	3.6	2.7	27.0	PDFN33	Qualified	10,000	36,000	Available	Complete
	AMDV040N042LVRH	80.0	1.8	4.2	3.1	22.0	PDFN33	Qualified	10,000	36,000	Available	Complete
	AMDU040N043VRH	88.0	3.2	4.3	3.5	23.0	PDFN56	Qualified	5,000	50,000	Available	Complete
	AMDV040N048VRH	80.0	3.0	4.8	3.5	21.0	PDFN33	Qualified	10,000	36,000	Available	Complete
	AMDD040N055RH	60.0	3.2	5.5	4.6	24.0	DPAK	Qualified	6,000	36,000	Available	Complete
	AMDV040N070PSURH*	TBD	3.0	7.0	6.1	13.0	PDFN33	Qualified	10,000	36,000	Dec'25	Jun'26
	AMDUA040N070RH	35.0	3.2	7.0	6.1	24.0	PDFN56 Dual	Qualified	6,000	36,000	Available	Complete
40V P-Ch	AMDD040P069RH	-90.0	-1.8	6.9	6.2	91.0	DPAK	Qualified	6,000	36,000	Available	Complete
60V N-Ch	AMDVC060N560ELURH*	11.0	1.7	56.0	46.0	-	PDFN22	Qualified	30,000	120,000	Available	Sep'25
80V N-Ch	AMDTA080N017RH*	300.0	3.1	1.7	1.3	183.0	TOLL	Qualified	2,000	12,000	Available	Sep'25
100V N-Ch	AMDVC100N2K5LRH*	4.0	1.7	250.0	180.0	-	PDFN22	Qualified	30,000	120,000	Aug'26	Mar'27
250V N-Ch	AMDD14N25CRH	10.2	3.0	280.0	220.0	20.0	DPAK	Qualified	6,000	36,000	Available	Complete
Bare-die	AMDW040N014VF	194.0(PDFN56)	3.1	1.4	1.1	71.0	Sawn on Foil	Qualified	-	-	Available	Complete
	AMDW1723F	192.0(TO-220)	3.0	2.0	1.6	88.3	Sawn on Foil	Qualified	-	-	Available	Complete
	AMDW06N021F	-	2.3	2.8	2.1	243.0	Sawn on Foil	Qualified	-	-	Available	Complete

Magnachip Super Junction MOSFET

Magnachip Super Junction MOSFET



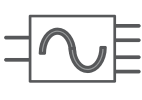
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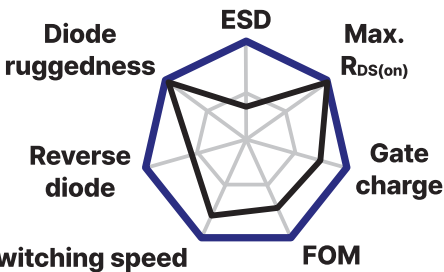
Charging station



Lighting



SMPS



60R190Q (Gen 2)
60R180S6Z (Gen 6)

*development

SJ MOSFET New products

*development

V _{DS}	Product number	I _D [A] @25°C	V _{GS(th), max} [V]	R _{DS(on), max} [mΩ] @V _{GS} =10V		Q _{g, Typ} [nC]	Package	MOQ	Unit / Outer box	Sample available	Product release
				Max.	Typ.						
500V N-Ch	MMD50R380S6ZRH*	11.0	4.5	380	342	TBD	DPAK	6,000	36,000	Oct'25	Feb'26
	MMQ60R023S6FZTH*	101.0	5.0	23	20	TBD	TO-247	450	1,800	Sep'25	Dec'25
600V N-Ch Fast recovery	MMTB60R050S6FZRH*	44.0	5.0	50	45	TBD	TOLL	2,000	12,000	Sep'25	Dec'25
	MMTB60R070S6FRH*	33.0	5.0	70	62	TBD	TOLL	2,000	12,000	Oct'25	Jan'26
	MMHS60R360S6FZURH	9.0	5.0	360	294	15.9	SOT-223-2L	6,000	36,000	Available	Complete
	MMQ60R021S6ZTH*	101.0	4.5	21	18	TBD	TO-247	450	1,800	Sep'25	Dec'25
600V N-Ch	MMP60R060S6ZTH*	35.0	4.5	60	53	TBD	TO-220	1,000	4,000	Sep'25	Dec'25
	MMET60R115S6ZRH*	19.0	4.5	115	103	43.9	Slim D ² PAK	800	4,800	Sep'25	Mar'26
	MMFA60R115S6ZTH*	19.0	4.5	115	103	43.9	TO-220FA	1,000	4,000	Sep'25	Dec'25
	MMSFA60R115S6ZTH*	19.0	4.5	115	103	43.9	TO-220SFA	900	3,600	Sep'25	Dec'25
	MMFA60R175S6ZTH	18.0	4.5	175	156	28.6	TO-220FA	1,000	4,000	Available	Complete
	MMFA60R180S6ZTH	18.0	4.5	180	160	32.5	TO-220FA	1,000	4,000	Available	Complete
	MMSFA60R180S6ZTH	18.0	4.5	180	160	32.5	TO-220SFA	900	3,600	Available	Complete
	MMFT60R180S6ZTH	18.0	4.5	180	160	32.5	TO-220FT	1,000	4,000	Available	Complete
	MMFA60R260S6ZTH	12.0	4.5	260	231	22.9	TO-220FA	1,000	4,000	Available	Complete
	MMSFA60R260S6ZTH	12.0	4.5	260	231	22.9	TO-220SFA	900	3,600	Available	Complete
	MMP60R260S6ZTH	12.0	4.5	260	231	22.9	TO-220	1,000	4,000	Available	Complete
	MMFA60R330S6ZTH	9.0	4.5	330	294	18.9	TO-220FA	1,000	4,000	Available	Complete
	MMSFA60R330S6ZTH	9.0	4.5	330	294	18.9	TO-220SFA	900	3,600	Available	Complete
	MMHS60R330S6ZURH	9.0	4.5	330	294	18.9	SOT-223-2L	6,000	36,000	Available	Complete
	MMFA60R550S6ZTH	6.0	4.5	550	490	12.3	TO-220FA	1,000	4,000	Available	Complete
	MMSFA60R550S6ZTH	6.0	4.5	550	490	12.3	TO-220SFA	900	3,600	Available	Complete
	MMD60R900S6ZRH*	TBD	4.5	900	774	TBD	DPAK	6,000	36,000	Jan'26	Jul'26
650V N-Ch Fast recovery	MMQ65R026S6FZTH*	101.0	5.0	26	23	TBD	TO-247	450	1,800	Sep'25	Dec'25
	MMQ65R038S6FZTH*	101.0	5.0	38	33	TBD	TO-247	450	1,800	Sep'25	Dec'25
	MMQ65R070S6FZTH*	101.0	5.0	70	62	TBD	TO-247	450	1,800	Sep'25	Dec'25
	MMQ65R099RFTH	35.0	5.0	99	88	76.6	TO-247	450	1,800	Available	Complete
	MMTB65R099RFRH*	35.0	4.0	99	87	81.0	TOLL	2,000	12,000	Available	Aug'25
	MMQ65R130RFTH	30.0	5.0	130	115	62.4	TO-247	450	1,800	Available	Complete
650V N-Ch	MMTB65R130RFRH*	30.0	4.0	130	115	63.0	TOLL	2,000	12,000	Available	Aug'25
	MMQ65R023S6ZTH*	101.0	4.5	23	20	TBD	TO-247	450	1,800	Sep'25	Dec'25
	MMFT65R190S6ZTH	18.0	4.5	190	167	32.9	TO-220FT	1,000	4,000	Available	Complete
	MMUB65R190S6ZURH	19.0	4.5	196	170	32.4	PDFN88	3,000	30,000	Available	Complete
	MMFT65R280S6ZTH	12.0	4.5	280	246	22.9	TO-220FT	1,000	4,000	Available	Complete
	MMSFA65R280S6ZTH	12.0	4.5	280	246	22.9	TO-220SFA	900	3,600	Available	Complete
	MMSFA65R380S6ZTH	9.0	4.5	380	334	171	TO-220SFA	900	3,600	Available	Complete
	MMFT65R380S6ZTH	9.0	4.5	380	334	171	TO-220FT	1,000	4,000	Available	Complete
	MMFT65R600S6ZTH	6.0	4.5	600	528	11.9	TO-220FT	1,000	4,000	Available	Complete
	MMD65R900S6ZRH*	4.7	4.5	900	800	TBD	DPAK	6,000	36,000	Oct'25	Mar'26
	MME70R360S6ZRH	12.5	4.5	360	317	20.0	D ² PAK	800	4,800	Available	Complete
	MMFA70R360S6ZTH	12.5	4.5	360	317	20.0	TO-220FA	1,000	4,000	Available	Complete
	MMFT70R360S6ZTH	12.5	4.5	360	317	20.0	TO-220FT	1,000	4,000	Available	Complete
	MMD70R600S6ZRH*	8.5	4.5	600	500	TBD	DPAK	6,000	36,000	Oct'25	Mar'26
700V N-Ch	MMFA70R600S6ZTH*	8.5	4.5	600	500	TBD	TO-220FA	1,000	4,000	Oct'25	Mar'26
	MMU70R600S6ZURH*	8.5	4.5	600	500	TBD	PDFN56	6,000	36,000	Oct'25	Mar'26
	MMD70R900S6ZRH*	TBD	4.5	900	774	TBD	DPAK	6,000	36,000	Mar'26	Sep'26
	MMFA70R900S6ZTH*	TBD	4.5	900	774	TBD	TO-220FA	1,000	4,000	Mar'26	Sep'26

V _{DS}	Product number	I _D [A] @25°C	V _{GS(th), max} [V]	R _{DS(on), max} [mΩ] @V _{GS} =10V		Q _{g, Typ} [nC]	Package	MOQ	Unit / Outer box	Sample available	Product release	
				Max.	Typ.							
250V N-Ch	MMD25R210RZRH	13.8	4.0	210	180	17.0	DPAK	6,000	36,000	Available	Complete	
	MMP25R210RZTH	13.8	4.0	210	180	17.0	TO-220	1,000	4,000	Available	Complete	
500V N-Ch	MMF50R280PTH	13.0	3.5	280	250	28.6	TO-220F	1,000	4,000	Available	Complete	
	MMD50R380S6ZRH*	11.0	4.5	380	342	TBD	DPAK	6,000	36,000	Oct'25	Feb'26	
600V N-Ch Fast recovery	MMD50R380PRH	11.0	3.5	380	350	21.8	DPAK	6,000	36,000	Available	Complete	
	MMQ60R023S6FZTH*	101.0	5.0	23	20	TBD	TO-247	450	1,800	Sep'25	Dec'25	
	MMQ60R044RFTH	60.0	5.0	44	38	160.0	TO-247	450	1,800	Available	Complete	
	MMTB60R050S6FZRH*	44.0	5.0	50	45	TBD	TOLL	2,000	12,000	Sep'25	Dec'25	
	MMTB60R070S6FRH*	33.0	5.0	70	62	TBD	TOLL	2,000	12,000	Oct'25	Jan'26	
	MMQ60R078RFTH	50.0	5.0	78	66	88.0	TO-247	450	1,800	Available	Complete	
	MMD60R195S6FZRH	18.0	5.0	195	169	27.2	DPAK	6,000	36,000	Available	Complete	
	MMD60R360S6FZRH	9.0	5.0	360	294	15.9	DPAK	6,000	36,000	Available	Complete	
	MMHS60R360S6FZURH	9.0	5.0	360	294	15.9	SOT-223-2L	6,000	36,000	Available	Complete	
	MMD60R400RFZRH	11.0	5.0	403	360	18.4	DPAK	6,000	36,000	Available	Complete	
	MMFA60R400RFZTH	11.0	5.0	403	360	18.4	TO-220FA	1,000	4,000	Available	Complete	
	MMD60R650RFZRH	8.0	5.0	650	590	13.0	DPAK	6,000	36,000	Available	Complete	
	MMFA60R650RFZTH	8.0	5.0	650	590	13.0	TO-220FA	1,000	4,000	Available	Complete	
	MMHS60R650RFZURH	8.0	5.0	650	590	13.0	SOT-223-2L	6,000	36,000	Available	Complete	
	MMD60R1K0RFZRH	3.0	5.0	1,008	910	7.2	DPAK	6,000	36,000	Available	Complete	
	MMFA60R1K0RFZTH	3.0	5.0	1,008	910	7.2	TO-220FA	1,000	4,000	Available	Complete	
	600V N-Ch	MMQ60R021S6ZTH*	101.0	4.5	21	18	TBD	TO-247	450	1,800	Sep'25	Dec'25
		MMP60R060S6ZTH*	35.0	4.5	60	53	TBD	TO-220	1,000	4,000	Sep'25	Dec'25
		MMQ60R070PTH	53.0	4.0	70	63	132.0	TO-247	450	1,800	Available	Complete
		MMF60R115PTH	33.0	4.0	115	104	79.0	TO-220F	1,000	4,000	Available	Complete
		MMFT60R115PCTH	33.0	4.0	115	104	77.0	TO-220FT	1,000	4,000	Available	Complete
MMQ60R115PCTH		33.0	4.0	115	104	77.0	TO-247	450	1,800	Available	Complete	
MMET60R115S6ZRH*		19.0	4.5	115	103	43.9	Slim D ² PAK	800	4,800	Sep'25	Mar'26	
MMFA60R115S6ZTH*		19.0	4.5	115	103	43.9	TO-220FA	1,000	4,000	Sep'25	Dec'25	
MMSFA60R115S6ZTH*		19.0	4.5	115	103	43.9	TO-220SFA	900	3,600	Sep'25	Dec'25	
MMD60R175S6ZRH		18.0	4.5	175	156	28.6	DPAK	6,000	36,000	Available	Complete	
MMFA60R175S6ZTH		18.0	4.5	175	156	28.6	TO-220FA	1,000	4,000	Available	Complete	
MMD60R180S6ZRH		18.0	4.5	180	160	32.5	DPAK	6,000	36,000	Available	Complete	
MMFA60R180S6ZTH		18.0	4.5	180	160	32.5	TO-220FA	1,000	4,000	Available	Complete	
MMSFA60R180S6ZTH		18.0	4.5	180	160	32.5	TO-220SFA	900	3,600	Available	Complete	
MMFT60R180S6ZTH		18.0	4.5	180	160	32.5	TO-220FT	1,000	4,000	Available	Complete	
MMF60R190PTH		20.0	4.0	190	170	51.0	TO-220F	1,000	4,000	Available	Complete	
MMP60R190PTH		20.0	4.0	190	170	51.0	TO-220	1,000	4,000	Available	Complete	
MMQ60R190PTH		20.0	4.0	190	170	51.0	TO-247	450	1,800	Available	Complete	
MMF60R190QTH		20.0	4.0	190	170	36.0	TO-220F	1,000	4,000	Available	Complete	
MMSF60R190QTH		20.0	4.0	190	170	36.0	TO-220SF	900	3,600	Available	Complete	
MMFT60R190QTH		20.0	4.0	195	170	36.0	TO-220FT	1,000	4,000	Available	Complete	
MMFT60R195PCTH		20.0	4.0	195	175	44.0	TO-220FT	1,000	4,000	Available	Complete	
MMP60R195PCTH		20.0	4.0	195	175	44.0	TO-220	1,000	4,000	Available	Complete	
MME60R210QRH		20.0	4.0	210	190	36.0	D ² PAK	800	4,800	Available	Complete	
MMD60R260S6ZRH		12.0	4.5	260	231	22.9	DPAK	6,000	36,000	Available	Complete	
MMFA60R260S6ZTH		12.0	4.5	260	231	22.9	TO-220FA	1,000	4,000	Available	Complete	
MMSFA60R260S6ZTH		12.0	4.5	260	231	22.9	TO-220SFA	900	3,600	Available	Complete	
MMP60R260S6ZTH		12.0	4.5	260	231	22.9	TO-220	1,000	4,000	Available	Complete	
MMD60R300QRH		13.8	4.0	300	270	25.0	DPAK	6,000	36,000	Available	Complete	
MMF60R280Q(B)TH		13.8	4.0	280	250	25.0	TO-220F	1,000	4,000	Available	Complete	
MMSF60R280QTH		13.8	4.0	280	250	18.3	TO-220SF	900	3,600	Available	Complete	
MME60R290PRH		13.0	4.0	290	260	33.0	D ² PAK	800	4,800	Available	Complete	
MMF60R290PTH	13.0	4.0	290	260	33.0	TO-220F	1,000	4,000	Available	Complete		
MMFT60R280QTH	13.8	4.0	293	250	25.0	TO-220FT	1,000	4,000	Available	Complete		

Magnachip Super Junction MOSFET

SJ MOSFET

*development											
V _{DS}	Product number	I _b [A] @25°C	V _{GS(th), max} [V]	R _{DS(on), max} [mΩ] @V _{GS} =10V		Q _{g, Typ} [nC]	Package	MOQ	Unit / Outer box	Sample available	Product release
				Max.	Typ.						
600V N-Ch	MMFT60R290PCTH	13.0	4.0	290	260	33.0	TO-220FT	1,000	4,000	Available	Complete
	MMP60R290PTH	13.0	4.0	290	260	33.0	TO-220	1,000	4,000	Available	Complete
	MME60R290QRH	13.8	4.0	290	250	18.3	D ² PAK	800	4,800	Available	Complete
	MMD60R330S6ZRH	9.0	4.5	330	294	18.9	DPAK	6,000	36,000	Available	Complete
	MMFA60R330S6ZTH	9.0	4.5	330	294	18.9	TO-220FA	1,000	4,000	Available	Complete
	MMSFA60R330S6ZTH	9.0	4.5	330	294	18.9	TO-220SFA	900	3,600	Available	Complete
	MMHS60R330S6ZURH	9.0	4.5	330	294	18.9	SOT-223-2L	6,000	36,000	Available	Complete
	MMD60R360PRH	11.0	4.0	360	350	28.0	DPAK	6,000	36,000	Available	Complete
	MMF60R360PTH	11.0	4.0	360	320	28.0	TO-220F	1,000	4,000	Available	Complete
	MMP60R360PTH	11.0	4.0	360	320	28.0	TO-220	1,000	4,000	Available	Complete
	MMD60R360QRH	11.0	4.0	360	320	19.0	DPAK	6,000	36,000	Available	Complete
	MMF60R360QTH	11.0	4.0	360	320	19.0	TO-220F	1,000	4,000	Available	Complete
	MMSF60R360QTH	11.0	4.0	360	320	19.0	TO-220SF	900	3,600	Available	Complete
	MMFT60R380PCTH	11.0	4.0	380	350	25.0	TO-220FT	1,000	4,000	Available	Complete
	MMD60R550S6ZRH	6.0	4.5	550	490	12.3	DPAK	6,000	36,000	Available	Complete
	MMFA60R550S6ZTH	6.0	4.5	550	490	12.3	TO-220FA	1,000	4,000	Available	Complete
	MMSFA60R550S6ZTH	6.0	4.5	550	490	12.3	TO-220SFA	900	3,600	Available	Complete
	MMD60R580PRH	8.0	4.0	580	530	18.0	DPAK	6,000	36,000	Available	Complete
	MMIS60R580PTH	8.0	4.0	580	530	18.0	TO-251 VS	6,750	20,250	Available	Complete
	MMF60R580PTH	8.0	4.0	580	530	18.0	TO-220F	1,000	4,000	Available	Complete
	MMD60R580QRH	8.0	4.0	580	530	13.0	DPAK	6,000	36,000	Available	Complete
	MMF60R580QTH	8.0	4.0	580	530	13.0	TO-220F	1,000	4,000	Available	Complete
	MMSF60R580QTH	8.0	4.0	580	530	13.0	TO-220SF	900	3,600	Available	Complete
	MMD60R750PRH	5.7	4.0	750	680	14.0	DPAK	6,000	36,000	Available	Complete
	MMF60R750PTH	5.7	4.0	750	680	14.0	TO-220F	1,000	4,000	Available	Complete
	MMIS60R750PTH	5.7	4.0	750	680	14.0	TO-251 VS	6,750	20,250	Available	Complete
	MMD60R900PRH	4.5	4.0	900	810	12.3	DPAK	6,000	36,000	Available	Complete
	MMIS60R900PTH	4.5	4.0	900	810	12.3	TO-251 VS	6,750	20,250	Available	Complete
	MMD60R900QRH	4.4	4.0	900	760	9.6	DPAK	6,000	36,000	Available	Complete
	MMD60R900S6ZRH*	TBD	4.5	900	774	TBD	DPAK	6,000	36,000	Jan'26	Jul'26
	MMW60R2K3R	-	4.0	2,600	2,300	-	Wafer	1	1	Available	Complete
	MMW60R3K4R	-	4.0	3,800	3,400	-	Wafer	1	1	Available	Complete
650V N-Ch Fast recovery	MMQ65R026S6FZTH*	101.0	5.0	26	23	TBD	TO-247	450	1,800	Sep'25	Dec'25
	MMQ65R038S6FZTH*	101.0	5.0	38	33	TBD	TO-247	450	1,800	Sep'25	Dec'25
	MMQ65R070S6FZTH*	101.0	5.0	70	62	TBD	TO-247	450	1,800	Sep'25	Dec'25
	MMQ65R099RFTH	35.0	5.0	99	88	76.6	TO-247	450	1,800	Available	Complete
	MMTB65R099RFRH*	35.0	4.0	99	87	81.0	TOLL	2,000	12,000	Available	Aug'25
	MMQ65R130RFTH	30.0	5.0	130	115	62.4	TO-247	450	1,800	Available	Complete
	MMTB65R130RFRH*	30.0	4.0	130	115	63.0	TOLL	2,000	12,000	Available	Aug'25
650V N-Ch	MMQ65R023S6ZTH*	101.0	4.5	23	20	TBD	TO-247	450	1,800	Sep'25	Dec'25
	MMUB65R090RURH	35.0	4.0	90	79	78.9	PDFN88	3,000	30,000	Available	Complete
	MMFT65R090RTH	35.0	4.0	90	79	78.9	TO-220FT	1,000	4,000	Available	Complete
	MMUB65R115RURH	30.0	4.0	115	102	63.0	PDFN88	3,000	30,000	Available	Complete
	MMFT65R115RTH	30.0	4.0	115	102	63.0	TO-220FT	1,000	4,000	Available	Complete
	MMF65R190PTH	20.0	4.0	190	170	53.0	TO-220F	1,000	4,000	Available	Complete
	MMP65R190PTH	20.0	4.0	190	170	53.0	TO-220	1,000	4,000	Available	Complete
	MMD65R190S6ZRH	18.0	4.5	190	167	32.9	DPAK	6,000	36,000	Available	Complete
	MMFT65R190S6ZTH	18.0	4.5	190	167	32.9	TO-220FT	1,000	4,000	Available	Complete
	MMUB65R190S6ZURH	19.0	4.5	196	170	32.4	PDFN88	3,000	30,000	Available	Complete
	MMFT65R195PTH	20.0	4.0	195	175	53.0	TO-220FT	1,000	4,000	Available	Complete
	MME65R280QRH	13.8	4.0	280	240	27.8	D ² PAK	800	4,800	Available	Complete
	MMP65R280QTH	13.8	4.0	280	240	27.8	TO-220	1,000	4,000	Available	Complete
	MMD65R280S6ZRH	12.0	4.5	280	246	22.9	DPAK	6,000	36,000	Available	Complete
	MMFT65R280S6ZTH	12.0	4.5	280	246	22.9	TO-220FT	1,000	4,000	Available	Complete
	MMSFA65R280S6ZTH	12.0	4.5	280	246	22.9	TO-220SFA	900	3,600	Available	Complete
	MMD65R380QRH	10.6	4.0	380	340	20.6	DPAK	6,000	36,000	Available	Complete

HV MOSFET

V _{DS}	Product number	I _D [A] @25°C	V _{GS(th), max} [V]	R _{DS(ON), max} [mΩ] @V _{GS} =10V		Q _{g, Typ} [nC]	Package	MOQ	Unit / Outer box	Product release
				Max.	Typ.					
200V N-Ch	MDD4N20YRH	3.0	2.0	1,350	1,100	3.2	DPAK	6,000	36,000	Complete
	MDHT4N20YURH	0.9	2.0	1,350	1,100	3.2	SOT-223	6,000	36,000	Complete
	MDD7N20CRH	5.0	4.0	690	580	5.1	DPAK	6,000	36,000	Complete
250V N-Ch	MDD4N25RH	3.0	5.0	1,750	1,380	4.2	DPAK	6,000	36,000	Complete
	MDHT4N25URH	0.8	5.0	1,750	1,380	4.2	SOT-223	6,000	36,000	Complete
	MDD7N25RH	6.2	5.0	550	430	10.4	DPAK	6,000	36,000	Complete
	MDHT7N25URH	1.4	5.0	550	430	11.0	SOT-223	6,000	36,000	Complete
	MDD14N25CRH	10.2	4.0	280	220	20.0	DPAK	6,000	36,000	Complete
	MDP14N25CTH	14.0	4.0	280	220	20.0	TO-220	1,000	4,000	Complete
400V N-Ch	MDD5N40RH	3.4	5.0	1,600	1,200	9.0	DPAK	6,000	36,000	Complete
	MDIS5N40TH	3.4	5.0	1,600	1,200	9.0	TO-251 VS	6,750	20,250	Complete
	MDD9N40RH	6.0	5.0	850	670	9.6	DPAK	6,000	36,000	Complete
500V N-Ch	MDD3N50GRH	2.8	5.0	2,500	2,100	6.8	DPAK	6,000	36,000	Complete
	MDF3N50TH	2.8	5.0	2,500	2,100	6.8	TO-220F	1,000	4,000	Complete
	MDD5N50FRH	4.2	4.5	1,580	1,250	12.2	DPAK	6,000	36,000	Complete
	MDF5N50FTH	4.5	4.5	1,580	1,250	12.1	TO-220F	1,000	4,000	Complete
	MDD5N50RH	4.4	5.0	1,400	1,150	12.2	DPAK	6,000	36,000	Complete
	MDD5N50GRH	4.4	5.0	1,400	1,150	12.2	DPAK	6,000	36,000	Complete
	MDF5N50TH	5.0	5.0	1,400	1,150	12.2	TO-220F	1,000	4,000	Complete
	MDF5N50BTH	5.0	4.0	1,400	1,150	11.5	TO-220F	1,000	4,000	Complete
	MDIS5N50TH	4.4	5.0	1,400	1,150	12.2	TO-251 VS	6,750	20,250	Complete
	MDF9N50FTH	8.0	4.5	970	750	16.3	TO-220F	1,000	4,000	Complete
	MDF7N50BTH	7.0	4.0	900	760	14.9	TO-220F	1,000	4,000	Complete
	MDP7N50TH	7.0	5.0	900	760	17.5	TO-220	1,000	4,000	Complete
	MDF9N50TH	9.0	5.0	850	720	19.0	TO-220F	1,000	4,000	Complete
	MDF9N50BTH	9.0	4.0	850	720	15.7	TO-220F	1,000	4,000	Complete
	MDF12N50FTH	11.5	4.5	750	590	20.0	TO-220F	1,000	4,000	Complete
	MDF12N50TH	12.0	5.0	650	550	22.7	TO-220F	1,000	4,000	Complete
	MDF12N50BTH	11.5	4.0	650	550	19.3	TO-220F	1,000	4,000	Complete
	MDF13N50TH	13.0	5.0	500	390	33.0	TO-220F	1,000	4,000	Complete
	MDF13N50BTH	13.0	4.0	500	390	27.0	TO-220F	1,000	4,000	Complete

HV MOSFET

V _{DS}	Product number	I _D [A] @25°C	V _{GS(th), max} [V]	R _{DS(ON), max} [mΩ] @V _{GS} =10V		Q _{g, Typ} [nC]	Package	MOQ	Unit / Outer box	Product release
				Max.	Typ.					
500V N-Ch	MDF13N50GTH	13.0	5.0	500	390	33.0	TO-220F	1,000	4,000	Complete
	MDFS13N50GTH	13.0	5.0	500	390	33.0	TO-220FS	1,000	4,000	Complete
	MDP13N50TH	13.0	5.0	500	390	33.0	TO-220	1,000	4,000	Complete
	MDP13N50BTH	13.0	4.0	500	390	27.0	TO-220	1,000	4,000	Complete
	MDF16N50GTH	16.0	5.0	350	300	34.9	TO-220F	1,000	4,000	Complete
	MDF18N50TH	18.0	5.0	270	220	48.0	TO-220F	1,000	4,000	Complete
	MDF18N50BTH	18.0	4.0	270	220	48.0	TO-220F	1,000	4,000	Complete
	MDP18N50TH	18.0	5.0	270	220	48.0	TO-220	1,000	4,000	Complete
	MDQ23N50DTH	23.0	4.0	250	200	65.0	TO-247	450	1,800	Complete
	MDD4N60RH	3.5	5.0	2,000	1,700	12.1	DPAK	6,000	36,000	Complete
600V N-Ch	MDF7N60BTH	7.0	4.0	1,150	1,000	20.1	TO-220F	1,000	4,000	Complete
	MDF8N60TH	8.0	5.0	1,000	850	21.0	TO-220F	1,000	4,000	Complete
	MDF8N60BTH	8.0	4.0	1,050	850	18.1	TO-220F	1,000	4,000	Complete
	MDF9N60TH	9.0	5.0	750	650	27.0	TO-220F	1,000	4,000	Complete
	MDF9N60BTH	9.0	4.0	800	650	23.9	TO-220F	1,000	4,000	Complete
	MDP9N60TH	9.0	5.0	750	650	27.0	TO-220	1,000	4,000	Complete
	MDF10N60BTH	10.0	4.0	700	580	26.6	TO-220F	1,000	4,000	Complete
	MDF10N60GTH	10.0	5.0	700	580	32.0	TO-220F	1,000	4,000	Complete
	MDFS10N60DTH	10.0	4.0	750	620	42.9	TO-220FS	1,000	4,000	Complete
	MDF11N60TH	11.0	5.0	550	450	38.4	TO-220F	1,000	4,000	Complete
	MDF11N60BTH	11.0	4.0	550	450	33.2	TO-220F	1,000	4,000	Complete
	MDFS11N60TH	11.0	5.0	550	450	38.4	TO-220FS	1,000	4,000	Complete
	MDP11N60TH	11.0	5.0	550	450	38.4	TO-220	1,000	4,000	Complete
	MDF15N60GTH	15.0	5.0	400	340	49.0	TO-220F	1,000	4,000	Complete
	MDP15N60GTH	15.0	5.0	400	340	49.0	TO-220	1,000	4,000	Complete
650V N-Ch	MDIS4N65BTH	3.7	4.0	2,200	1,800	11.6	TO-251 VS	6,750	20,250	Complete
	MDF7N65BTH	7.0	4.0	1,350	1,150	18.4	TO-220F	1,000	4,000	Complete
	MDF10N65BTH	10.0	4.0	1,000	850	29.3	TO-220F	1,000	4,000	Complete
	MDF11N65BTH	12.0	4.0	650	550	31.0	TO-220F	1,000	4,000	Complete
	MDFS11N65BTH	12.0	4.0	650	550	31.0	TO-220FS	1,000	4,000	Complete
	MDF13N65BTH	14.0	4.0	460	400	54.0	TO-220F	1,000	4,000	Complete



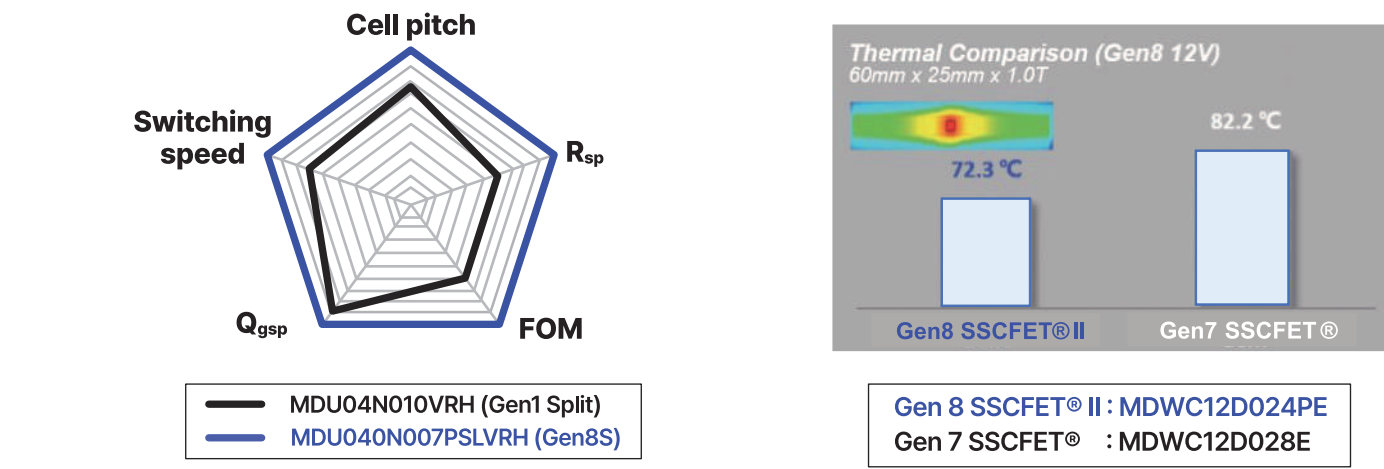
Magnachip eXtreme Trench MOSFET

MXT MOSFET New products

*development												
Type	Product number	V _{SS} [V]	I _S [A] @25°C	V _{GS(th),max} [V]	V _{GS} [±V]	R _{SS(on),max} [mΩ] @V _{GS} =3.8V	Chip size (Datasheet)	Package	MOQ	Unit / Outer box	Sample available	Product release
Common-Drain Dual N-Ch	MDWC12D015PE*	12.0	25.0	1.3	8.0	1.5	3,420 x 1,980	WLCSP	5,000	50,000	Available	Dec'25
	MDWC12D012PE*	12.0	TBD	1.4	8.0	1.2	3,200 x 1,950	WLCSP	5,000	50,000	Available	Dec'25
	MDWC12D040E*	12.0	13.0	1.4	8.0	4.0	1,790 x 1,470	WLCSP	5,000	50,000	Available	Dec'25
	MDWC22D020PSE*	22.0	26.0	1.5	12.0	2.0	3,200 x 2,100	WLCSP	5,000	50,000	Available	Oct'25
	MDWC22D050E*	22.0	12.0	1.4	12.0	5.1	1,790 x 1,790	WLCSP	5,000	50,000	Available	Dec'25
	MDWC23D027E*	23.0	28.0	1.3	12.0	2.7	3,420 x 1,980	WLCSP	5,000	50,000	Available	Dec'25

V _{DS}	Product number	I _b [A] @25°C	V _{GS(th), max} [V]	R _{DS(ON),max} [mΩ] @V _{GS} =10V		Q _{g, Typ} [nC] @V _{GS} =10V	Package	MOQ	Unit / Outer box	Sample available	Product release
				10V	4.5V						
30V P-Ch	MDV30P078PSURH*	-34.0	-2.3	7.8	-	TBD	PDFN33	10,000	60,000	Sep'25	Feb'26
	MDU30P078PSURH*	TBD	-2.3	7.8	-	TBD	PDFN56	5,000	50,000	Sep'25	Feb'26
	MDS30P115PSURH*	-14.0	-2.3	11.5	-	TBD	SOIC-8L	6,000	36,000	Sep'25	Feb'26
	MDU30P115PSURH*	TBD	-2.3	11.5	-	TBD	PDFN56	5,000	50,000	Sep'25	Feb'26
	MDU040N008PSVRH*	373.0	4.0	0.8	-	109.0	PDFN56	6,000	36,000	Jul'25	Sep'25
40V N-Ch	MDU040N010PSVRH*	288.0	2.3	1.0	-	-	PDFN56	6,000	36,000	Aug'25	Jan'26
	MDU040N020PSVRH*	144.0	3.8	2.0	-	30.0	PDFN56	6,000	36,000	Jan'26	Apr'26
	MDU04N070PSURH*	TBD	3.5	7.0	-	13.0	PDFN56	6,000	36,000	Jan'26	Apr'26
	MDTA060N007PSRH*	300.0	3.5	0.7	-	TBD	TOLL	2,000	12,000	Jun'26	Sep'26
60V N-Ch	MDU060N010PSVRH*	260.0	3.5	1.1	-	85.0	PDFN56	6,000	36,000	Jul'25	Sep'25
	MDES060N013PSRH*	180.0	3.5	1.3	-	85.0	D ² PAK-7P	800	4,800	Jun'26	Sep'26
	MDU060N023PSVRH*	148.0	3.7	2.3	-	56.0	PDFN56	6,000	36,000	Nov'25	Feb'26
	MDU060N022PSLVRH*	152.0	2.6	2.2	2.7	64.0	PDFN56	6,000	36,000	Nov'25	Feb'26
	MDU060N035PSVRH*	112.0	3.8	3.5	-	37.0	PDFN56	6,000	36,000	Nov'25	Feb'26
	MDTA080N012PSRH*	300.0	3.7	1.2	-	180.0	TOLL	2,000	12,000	Jun'26	Sep'26
80V N-Ch	MDTA100N015PSRH*	300.0	3.9	1.5	-	169.0	TOLL	2,000	12,000	Sep'25	Dec'25
100V N-Ch	MDQ100N019PSTH*	120.0	3.9	1.9	-	169.0	TO-247	450	1,800	Mar'26	Jun'26
	MDU100N034PSVRH*	-	2.3	3.4	-	-	PDFN56	6,000	36,000	Sep'26	Dec'26
135V N-Ch	MDP135N044PSTH*	120.0	4.0	4.4	-	-	TO-220	1,000	4,000	Sep'26	Dec'26
150V N-Ch	MDTA150N039PSRH*	200.0	4.1	3.9	-	80.0	TOLL	2,000	12,000	Apr'26	Jul'26
	MDE150N054PSRH*	120.0	4.1	5.4	-	80.0	D ² PAK	800	4,800	Sep'26	Dec'26
	MDP150N055PSTH*	120.0	4.1	5.5	-	80.0	TO-220	1,000	4,000	Apr'26	Jul'26
	MDU150N093PSVRH*	80.0	4.1	9.3	-	80.0	PDFN56	6,000	36,000	Apr'26	Jul'26

Magnachip eXtreme Trench MOSFET



MXT MOSFET

Type	Product number	V _{DS} , V _{SS} [V]	I _S [A] @25°C	V _{GS} (th),max [V]	V _{GS} [±V]	R _{SS} (on),max [mΩ] @V _{GS} =3.8V	R _{DS} (on),max [mΩ] @V _{GS} =3.8V	Chip size (Datasheet)	Package	MOQ	Unit / Outer box	Sample available	Product release
Common- Drain Dual N-Ch	MDWC12D015PE*	12.0	25.0	1.3	8.0	1.5	-	3,420 x 1,980	WLCSP	5,000	50,000	Available	Dec'25
	MDWC12D012PE*	12.0	TBD	1.4	8.0	1.2	-	3,200 x 1,950	WLCSP	5,000	50,000	Available	Dec'25
	MDWC12D021E	12.0	18.0	1.3	8.0	2.3	-	2,230 x 2,160	WLCSP	5,000	50,000	Available	Complete
	MDWC12D024PERH	12.0	20.7	1.3	8.0	2.4	-	2,080 x 1,450	WLCSP	5,000	50,000	Available	Complete
	MDWC12D025ERH	12.0	23.2	1.3	8.0	2.6	-	2,980 x 1,490	WLCSP	5,000	50,000	Available	Complete
	MDWC0155E	12.0	16.0	1.4	8.0	2.8	-	2,400 x 2,200	WLCSP	5,000	50,000	Available	Complete
	MDWC0150EB	12.0	19.0	1.4	8.0	2.9	-	3,050 x 1,770	WLCSP	5,000	50,000	Available	Complete
	MDWC12D028E	12.0	16.2	1.3	8.0	2.9	-	2,080 x 1,450	WLCSP	5,000	50,000	Available	Complete
	MDWC12D032E	12.0	15.0	1.3	8.0	3.2	-	2,230 x 1,640	WLCSP	5,000	50,000	Available	Complete
	MDWC12D040E*	12.0	13.0	1.4	8.0	4.0	-	1,790 x 1,470	WLCSP	5,000	50,000	Available	Dec'25
	MDWC12D044E	12.0	12.6	1.3	8.0	4.1	-	2,230 x 1,180	WLCSP	5,000	50,000	Available	Complete
	MDW1201E	12.0	-	1.5	8.0	-	6.0	2,240 x 1,300	Wafer	1	1	Available	Complete
	MDWC22D020E	22.0	26.0	1.5	12.0	2.0	-	3,200 x 2,100	WLCSP	5,000	50,000	Available	Complete
	MDWC22D020PSE*	22.0	26.0	1.5	12.0	2.0	-	3,200 x 2,100	WLCSP	5,000	50,000	Available	Oct'25
	MDWC23D027E*	23.0	28.0	1.3	12.0	2.7	-	3,420 x 1,980	WLCSP	5,000	50,000	Available	Dec'25
	MDWC24D031E	24.0	15.7	1.5	12.0	3.1	-	2,700 x 2,000	WLCSP	5,000	50,000	Available	Complete
	MDWC0151E	24.0	22.0	1.2	12.0	3.1	-	3,200 x 2,100	WLCSP	5,000	50,000	Available	Complete
	MDWC0156E	24.0	14.0	1.4	12.0	4.0	-	2,400 x 2,200	WLCSP	5,000	50,000	Available	Complete
	MDWC24D042E	24.0	13.0	1.5	12.0	4.5	-	2,230 x 1,640	WLCSP	5,000	50,000	Available	Complete
	MDWC22D050E*	22.0	12.0	1.4	12.0	5.1	-	1,790 x 1,790	WLCSP	5,000	50,000	Available	Dec'25
	MDWC24D058E	24.0	10.6	1.5	12.0	6.2	-	2,230 x 1,180	WLCSP	5,000	50,000	Available	Complete
	MDW1311E	24.0	-	1.5	12.0	-	6.1	2,290 x 1,600	Wafer	1	1	Available	Complete
	MDW24D066E	24.0	-	1.5	12.0	-	6.6	2,000 x 1,240	Wafer	1	1	Available	Complete
	MDW0301E	24.0	-	1.5	12.0	-	6.8	2,630 x 1,300	Wafer	1	1	Available	Complete
	MDW0302E	24.0	-	1.5	12.0	-	8.2	1,350 x 2,000	Wafer	1	1	Available	Complete
	MDW0416EB	24.0	-	1.5	12.0	-	7.2	2,530 x 1,250	Wafer	1	1	Available	Complete
	MDW24D150E	24.0	-	1.5	12.0	-	19.0	1,240 x 845	Wafer	1	1	Available	Complete
MDW0157E	24.0	-	1.5	12.0	-	25.4	1,000 x 1,100	Wafer	1	1	Available	Complete	
MDW1304E	24.0	-	1.5	12.0	-	34.0	1,240 x 845	Wafer	1	1	Available	Complete	

Magnachip eXtreme Trench MOSFET

MXT MOSFET

*development

V _{DS}	Product number	I _D [A] @25°C	V _{GS(th), max} [V]	R _{DS(on), max} [mΩ] @V _{GS} =10V	Q _{g, Typ} [nC] @V _{GS} =10V	Package	MOQ	Unit / Outer box	Sample available	Product release
30V N-Ch	MDD1501RH	67.4	2.7	5.6	20.7	DPAK	6,000	36,000	Available	Complete
	MDIS1501TH	67.4	2.7	5.6	20.7	TO-251 VS	6,750	20,250	Available	Complete
	MDD1502RH	45.7	2.7	8.5	14.3	DPAK	6,000	36,000	Available	Complete
	MDD1503RH	87.5	2.7	4.7	28.0	DPAK	6,000	36,000	Available	Complete
	MDU1513URH	88.1	2.7	4.6	27.0	PDFN56	6,000	36,000	Available	Complete
	MDU1514URH	66.3	2.7	6.0	19.0	PDFN56	6,000	36,000	Available	Complete
	MDU1515URH	57.4	2.7	7.2	17.5	PDFN56	6,000	36,000	Available	Complete
	MDU1517RH	100.0	2.7	2.9	41.5	PDFN56	6,000	36,000	Available	Complete
	MDS1521URH	18.8	2.7	4.0	38.3	SOIC-8L	6,000	36,000	Available	Complete
	MDV1522URH	34.0	2.7	4.9	29.4	PDFN33	10,000	60,000	Available	Complete
	MDV1523URH	24.0	2.7	6.1	25.5	PDFN33	10,000	60,000	Available	Complete
	MDS1524URH	19.3	2.7	8.1	16.2	SOIC-8L	6,000	36,000	Available	Complete
	MDV1524URH	24.0	2.7	8.1	15.9	PDFN33	10,000	60,000	Available	Complete
	MDS1527URH	9.4	2.7	15.9	7.8	SOIC-8L	6,000	36,000	Available	Complete
	MDV1527URH	11.0	2.7	15.9	7.9	PDFN33	10,000	60,000	Available	Complete
30V Dual N-Ch	MDS1528URH	8.7	2.7	18.8	7.3	SOIC-8L	6,000	36,000	Available	Complete
	MDS5601URH	12.9	2.7	10.5	15.7	SOIC-8L	6,000	36,000	Available	Complete
30V P-Ch	MDV30P078PSURH*	-34.0	-2.3	7.8	TBD	PDFN33	10,000	60,000	Sep'25	Feb'26
	MDU30P078PSURH*	TBD	-2.3	7.8	TBD	PDFN56	5,000	50,000	Sep'25	Feb'26
	MDS30P115PSURH*	-14.0	-2.3	11.5	TBD	SOIC-8L	6,000	36,000	Sep'25	Feb'26
	MDU30P115PSURH*	TBD	-2.3	11.5	TBD	PDFN56	5,000	50,000	Sep'25	Feb'26
	MDU3603RH	-67.0	-3.0	9.1	38.4	PDFN56	6,000	36,000	Available	Complete
	MDS3604URH	-12.0	-3.0	12.1	30.5	SOIC-8L	6,000	36,000	Available	Complete
	MDV3604URH	-20.0	-3.0	12.1	30.5	PDFN33	10,000	60,000	Available	Complete
	MDU3605RH	-35.6	-3.0	17.0	22.0	PDFN56	6,000	36,000	Available	Complete
	MDV3605URH	-20.0	-3.0	18.0	22.0	PDFN33	10,000	60,000	Available	Complete
	MDS3651URH	-6.0	-3.0	35.0	18.4	SOIC-8L	6,000	36,000	Available	Complete
	MDS3652URH	-11.0	-3.0	17.0	35.0	SOIC-8L	6,000	36,000	Available	Complete
	MDS3653URH	-13.0	-2.0	7.0	70.0	SOIC-8L	6,000	36,000	Available	Complete
30V Dual N/P-Ch	MDS9651URH	6.9	3.0	28.0	6.9	SOIC-8L	6,000	36,000	Available	Complete
		-6.0	-3.0	35.0	18.4		6,000	36,000	Available	Complete
	MDS9652EURH	7.2	3.0	23.0	12.8	SOIC-8L	6,000	36,000	Available	Complete
		-6.1	-3.0	38.0	25.1		6,000	36,000	Available	Complete

V _{DS}	Product number	I _D [A] @25°C	V _{GS(th), max} [V]	R _{DS(ON), max} [mΩ] @V _{GS} =10V		Q _{g, Typ} [nC] @V _{GS} =10V	Package	MOQ	Unit / Outer box	Sample available	Product release
				10V	4.5V						
20V N-ch	MDVB20N085EURH	26.0	1.2	-	8.5	34.0	PDFN22	30,000	120,000	Available	Complete
	MDU040N007PSLVRH	400.0	2.6	0.7	1.2	109.0	PDFN56	6,000	36,000	Available	Complete
40V N-Ch	MDU040N008PSVRH*	373.0	4.0	0.8	-	109.0	PDFN56	6,000	36,000	Jul'25	Sep'25
	MDU04N010VRH	241.5	2.0	1.0	-	103.5	PDFN56	5,000	50,000	Available	Complete
	MDU040N010PSVRH*	288.0	2.3	1.0	-	-	PDFN56	6,000	36,000	Aug'25	Jan'26
	MDU1721VRH	204.1	3.0	1.4	-	113.8	PDFN56	5,000	50,000	Available	Complete
	MDU040N020PSVRH*	144.0	3.8	2.0	-	30.0	PDFN56	6,000	36,000	Jan'26	Apr'26
	MDU1722VRH	142.4	3.0	2.2	-	61.4	PDFN56	5,000	50,000	Available	Complete
	MDP1723TH	120.0	4.0	2.3	-	88.3	TO-220	1,000	4,000	Available	Complete
	MDF1723TH	85.0	4.0	2.6	-	88.3	TO-220F	1,000	4,000	Available	Complete
	MDU04N027RH	127.0	3.0	2.7	-	78.0	PDFN56	5,000	50,000	Available	Complete
	MDU04N070PSURH*	TBD	3.5	7.0	-	13.0	PDFN56	6,000	36,000	Jan'26	Apr'26
	MDU04N070RH	77.0	3.0	7.0	9.5	33.4	PDFN56	6,000	36,000	Available	Complete
	MDD1752RH	50.0	3.0	8.0	10.5	26.4	DPAK	6,000	36,000	Available	Complete
	MDE1752RH	66.0	3.0	8.0	10.5	26.4	D ² PAK	800	4,800	Available	Complete
	MDI1752TH	50.0	3.0	8.0	10.5	26.4	TO-251 VS	6,750	20,250	Available	Complete
40V P-Ch	MDD3752RH	-43.0	-3.0	17.0	25.0	44.1	DPAK	6,000	36,000	Available	Complete
	MDF3752TH	-36.5	-3.0	17.0	25.0	44.1	TO-220F	1,000	4,000	Available	Complete
	MDS3753EURH	-71	-3.0	30.0	37.0	32.7	SOIC-8L	6,000	36,000	Available	Complete
	MDD3754RH	-24.4	-3.0	43.0	58.0	19.2	DPAK	6,000	36,000	Available	Complete
60V N-Ch	MDTA060N007PSRH*	300.0	3.5	0.7	-	TBD	TOLL	2,000	12,000	Jun'26	Sep'26
	MDU060N010PSVRH*	260.0	3.5	1.1	-	85.0	PDFN56	6,000	36,000	Jul'25	Sep'25
	MDES060N013PSRH*	180.0	3.5	1.3	-	85.0	D ² PAK-7P	800	4,800	Jun'26	Sep'26
	MDU060N023PSVRH*	148.0	3.7	2.3	-	56.0	PDFN56	6,000	36,000	Nov'25	Feb'26
	MDU060N022PSLVRH*	152.0	2.6	2.2	2.7	64.0	PDFN56	6,000	36,000	Nov'25	Feb'26
	MDU060N035PSVRH*	112.0	3.8	3.5	-	37.0	PDFN56	6,000	36,000	Nov'25	Feb'26
	MDS1951URH	6.0	3.0	45.0	55.0	9.0	SOIC-8L	6,000	36,000	Available	Complete
	MDV1951BURH	12.0	3.0	45.0	55.0	9.0	PDFN33	10,000	60,000	Available	Complete
	MDD1951RH	17.9	3.0	45.0	55.0	4.8	DPAK	6,000	36,000	Available	Complete
	MDS5951URH	4.5	3.0	50.0	60.0	9.0	SOIC-8L	6,000	36,000	Available	Complete

Magnachip eXtreme Trench MOSFET

MXT MOSFET

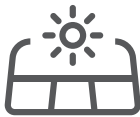
*development

V _{DS}	Product number	I _D [A] @25°C	V _{GS(th), max} [V]	R _{DS(ON), max} [mΩ] @V _{GS} =10V		Q _{g, Typ} [nC] @V _{GS} =10V	Package	MOQ	Unit / Outer box	Sample available	Product release	
				10V	4.5V							
80V N-Ch	MDTA080N012PSRH*	300.0	3.7	1.2	-	180.0	TOLL	2,000	12,000	Jun'26	Sep'26	
	MDT(A)08N017RH	300.0	3.8	1.7	-	183.0	TOLL	2,000	12,000	Available	Complete	
	MDES08N019RH	180.0	3.8	1.9	-	172.0	D ² PAK-7P	800	4,800	Available	Complete	
	MDY08N019RH	240.0	3.8	1.9	-	166.0	M2PAK-7P	800	4,800	Available	Complete	
	MDP1930TH	120.0	4.0	2.5	-	186.3	TO-220	1,000	4,000	Available	Complete	
	MDP08N032TH	120.0	3.8	3.2	-	106.0	TO-220	1,000	4,000	Available	Complete	
	MDP1932TH	120.0	4.0	3.4	-	105.0	TO-220	1,000	4,000	Available	Complete	
	MDE1932RH	120.0	4.0	3.4	-	116.0	D ² PAK	800	4,800	Available	Complete	
	MDU1931VRH	100.0	4.0	3.6	-	68.5	PDFN56	5,000	50,000	Available	Complete	
	MDE08N054RH	120.0	3.8	5.4	-	61.0	D ² PAK	800	4,800	Available	Complete	
	MDP08N055TH	120.0	3.8	5.5	-	61.0	TO-220	1,000	4,000	Available	Complete	
	MDD08N067RH	70.0	3.7	6.7	-	43.3	DPAK	6,000	36,000	Available	Complete	
	MDP1933TH	120.0	4.0	7.0	-	59.4	TO-220	1,000	4,000	Available	Complete	
	MDTA100N015PSRH*	300.0	3.9	1.5	-	169.0	TOLL	2,000	12,000	Sep'25	Dec'25	
	MDQ100N019PSTH*	120.0	3.9	1.9	-	169.0	TO-247	450	1,800	Mar'26	Jun'26	
	MDT(A)10N023RH	300.0	4.0	2.3	-	167.0	TOLL	2,000	12,000	Available	Complete	
	MDES10N025RH	180.0	4.0	2.5	-	147.0	D ² PAK-7P	800	4,800	Available	Complete	
	MDY10N025RH	240.0	4.0	2.5	-	167.0	M2PAK-7P	800	4,800	Available	Complete	
100V N-Ch	MDE10N026RH	120.0	4.0	2.6	-	147.0	D ² PAK	800	4,800	Available	Complete	
	MDQ10N026TH	160.0	4.0	2.6	-	147.0	TO-247	450	1,800	Available	Complete	
	MDP10N027TH	120.0	4.0	2.8	-	147.0	TO-220	1,000	4,000	Available	Complete	
	MDU100N034PSVRH*	-	2.3	3.4	-	-	PDFN56	6,000	36,000	Sep'26	Dec'26	
	MDE1991RH	120.0	4.0	4.4	-	115.0	D ² PAK	800	4,800	Available	Complete	
	MDP1921TH	120.0	4.0	4.5	-	100.0	TO-220	1,000	4,000	Available	Complete	
	MDF1921TH	60.0	4.0	4.8	-	100.0	TO-220F	1,000	4,000	Available	Complete	
	MDE10N050RH	120.0	4.0	5.0	-	78.0	D ² PAK	800	4,800	Available	Complete	
	MDP10N055TH	120.0	4.0	5.5	-	78.0	TO-220	1,000	4,000	Available	Complete	
	MDF10N055TH	80.0	4.0	5.5	-	85.0	TO-220F	1,000	4,000	Available	Complete	
	MDP1991TH	120.0	4.0	5.9	-	100.0	TO-220	1,000	4,000	Available	Complete	
	MDU10N070RH	53.0	2.2	7.4	9.1	63.0	PDFN56	6,000	36,000	Available	Complete	
	MDD10N074RH	60.0	2.2	7.8	9.4	72.0	DPAK	6,000	36,000	Available	Complete	
	MDP1922TH	97.0	4.0	8.4	-	54.5	TO-220	1,000	4,000	Available	Complete	
	MDF1922TH	40.0	4.0	8.7	-	54.5	TO-220F	1,000	4,000	Available	Complete	
	MDP1923TH	69.0	4.0	13.9	-	42.8	TO-220	1,000	4,000	Available	Complete	
	MDL1923TH	63.0	4.0	14.2	-	35.0	I ² PAK	1,000	4,000	Available	Complete	
	MDU10N180RH	40.0	2.0	18.0	23.0	30.8	PDFN56	6,000	36,000	Available	Complete	
135V N-Ch	MDD1901RH	40.0	4.0	22.0	-	75.0	DPAK	6,000	36,000	Available	Complete	
	MDP1901TH	36.0	4.0	22.0	-	75.0	TO-220	1,000	4,000	Available	Complete	
	MDD1902RH	40.0	4.0	28.0	-	39.8	DPAK	6,000	36,000	Available	Complete	
	MDD1903RH	12.8	3.0	105.0	-	8.8	DPAK	6,000	36,000	Available	Complete	
	MDIS1903TH	12.8	3.0	105.0	-	8.8	TO-251 VS	6,750	20,250	Available	Complete	
	MDS1903URH	3.3	3.0	110.0	-	8.8	SOIC-8L	6,000	36,000	Available	Complete	
	MDV10N1K1URH	12.3	3.0	110.0	-	9.0	PDFN33	10,000	60,000	Available	Complete	
	MDHT10N1K1URH	12.1	3.0	115.0	-	9.0	SOT-223	6,000	36,000	Available	Complete	
	MDD1904RH	10.8	3.0	140.0	-	6.7	DPAK	6,000	36,000	Available	Complete	
	MDP135N044PSTH*	120.0	4.0	4.4	-	-	TO-220	1,000	4,000	Sep'26	Dec'26	
	MDT(A)14N043RH	201.0	3.9	4.3	-	137.0	TOLL	2,000	12,000	Available	Complete	
	MDES14N045RH	180.0	3.9	4.5	-	123.0	D ² PAK-7P	800	4,800	Available	Complete	
	MDY14N045RH	228.0	3.9	4.5	-	154.0	M2PAK-7P	800	4,800	Available	Complete	
	MDQ14N049TH	160.0	3.9	4.9	-	123.0	TO-247	450	1,800	Available	Complete	
	MDP14N050TH	120.0	3.9	5.0	-	123.0	TO-220	1,000	4,000	Available	Complete	
	150V N-Ch	MDTA150N039PSRH*	200.0	4.1	3.9	-	80.0	TOLL	2,000	12,000	Apr'26	Jul'26
		MDT(A)15N054PTRH	191.0	3.8	5.4	-	90.0	TOLL	2,000	12,000	Available	Complete
		MDE150N054PSRH*	120.0	4.1	5.4	-	80.0	D ² PAK	800	4,800	Sep'26	Dec'26
MDP150N055PSTH*		120.0	4.1	5.5	-	80.0	TO-220	1,000	4,000	Apr'26	Jul'26	
MDES15N056PTRH		182.0	3.9	5.6	-	90.0	D ² PAK-7P	800	4,800	Available	Complete	
MDY15N057PTRH		-	3.9	5.7	-	90.0	M2PAK-7P	800	4,800	Available	Complete	
MDP15N075TH		120.0	4.1	7.5	-	91.0	TO-220	1,000	4,000	Available	Complete	
MDU150N093PSVRH*		80.0	4.1	9.3	-	80.0	PDFN56	6,000	36,000	Apr'26	Jul'26	
MDU150N113PTVRH		64.0	3.9	11.3	-	36.0	PDFN56	5,000	50,000	Available	Complete	
MDD1051RH		28.0	3.2	46.0	-	19.6	DPAK	6,000	36,000	Available	Complete	
MDU1051RH		27.0	3.2	47.0	-	20.9	PDFN56	5,000	50,000	Available	Complete	
200V N-Ch		MDT(A)20N109PTRH	100.0	4.5	10.9	-	83.0	TOLL	2,000	12,000	Available	Complete
	MDT(A)20N109PTFRH	100.0	4.5	10.9	-	83.0	TOLL	2,000	12,000	Available	Complete	
	MDY20N113PTFRH	100.0	4.5	11.3	-	83.0	M2PAK-7P	800	4,800	Available	Complete	
	MDP20N116PTTH	95.0	4.5	11.6	-	83.0	TO-220	1,000	4,000	Available	Complete	
	MDP20N116PTFTH	95.0	4.5	11.6	-	83.0	TO-220	1,000	4,000	Available	Complete	
	MDQ20N116PTFTH	95.0	4.5	11.6	-	83.0	TO-247	450	1,800	Available	Complete	
	MDES20N116PTFRH	95.0	4.5	11.6	-	83.0	D ² PAK-7P	800	4,800	Available	Complete	

Magnachip IGBT



Magnachip IGBT



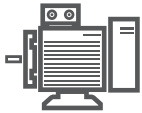
PV inverter



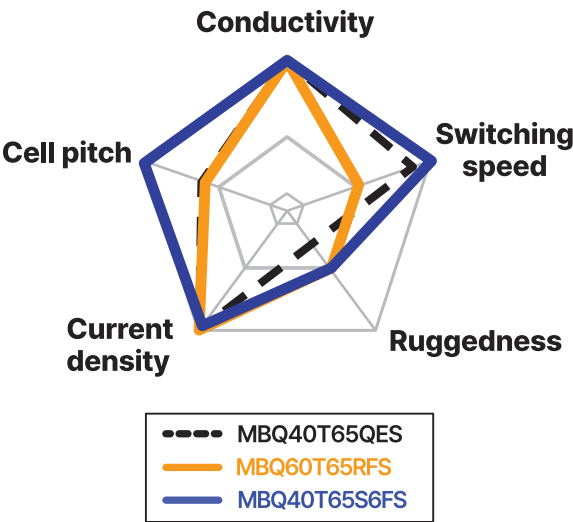
Home appliance



IH



Motor drive



Discrete IGBT

*development

Type	V _{CE}	Product number	I _C [A] @100°C	V _{CE(sat)} [V]	Switching energy [mJ]		Short circuit withstand time [μs]	Option	Package	MOQ	Unit / Outer Box	Sample available	Product release
					E _{on}	E _{off}							
High speed	650V	MBE30T65S6FSRH*	30	1.50	0.71	0.83	-	FRD co-pak	D ² PAK	800	4,800	Aug'25	Dec'25
		MBQ40T65S6FSTH	40	1.65	1.44	0.34	-	FRD co-pak	TO-247	450	1,800	Available	Complete
		MBQ40T65QESTH	40	1.80	0.50	0.40	-	FRD co-pak	TO-247	450	1,800	Available	Complete
		MBQ50T65RMSTH	50	1.65	1.86	1.45	-	SiC SBD co-pak	TO-247	450	1,800	Available	Complete
		MBQ50T65FESCSTH	50	1.85	0.77	0.55	5	FRD co-pak	TO-247	450	1,800	Available	Complete
		MBQ60T65RFSTH	60	1.80	2.15	1.21	-	FRD co-pak	TO-247	450	1,800	Available	Complete
		MBQ60T65PESTH	60	1.85	0.92	0.53	5	FRD co-pak	TO-247	450	1,800	Available	Complete
		MBQ75T65S6MSTH	75	1.70	3.30	1.80	-	SiC SBD co-pak	TO-247	450	1,800	Available	Complete
		MBQ75T65S6FSTH*	75	1.65	3.40	1.85	-	FRD co-pak	TO-247	450	1,800	Available	Dec'25
	1200V	MBQ25T120FESCSTH	25	2.00	1.44	0.55	10	FRD co-pak	TO-247	450	1,800	Available	Complete
		MBQ40T120RFSTH*	40	1.75	2.70	1.10	-	FRD co-pak	TO-247	450	1,800	Aug'25	Dec'25
		MBQ40T120FESTH	40	2.00	1.96	0.54	10	FRD co-pak	TO-247	450	1,800	Available	Complete
		MBQ40T120QESTH	40	2.10	5.13	0.77	3	FRD co-pak	TO-247	450	1,800	Available	Complete
		MBQ40T120QFSTH	40	2.10	5.13	0.77	3	FRD co-pak	TO-247	450	1,800	Available	Complete
		MBQA75T120RFSTH	75	1.80	6.88	2.28	-	FRD co-pak	TO-247 Plus	450	1,800	Available	Complete
		MBQA100T120RFSTH*	100	1.75	9.42	2.97	-	FRD co-pak	TO-247 Plus	450	1,800	Aug'25	Dec'25
	High conductivity	MBF15T65PEHSTH	15	1.65	0.27	0.09	5	FRD co-pak	TO-220F	1,000	4,000	Available	Complete
		MBQ40T65S6FHSTH	40	1.35	1.54	1.09	-	FRD co-pak	TO-247	450	1,800	Available	Complete
		MBQ50T65S6FHSTH*	50	1.20	1.75	1.67	-	FRD co-pak	TO-247	450	1,800	Aug'25	Dec'25
		MBQ75T65S6FHSTH	75	1.20	3.15	3.55	-	FRD co-pak	TO-247	450	1,800	Available	Complete
		MBQ75T65PEHSTH	75	1.70	4.69	1.75	5	FRD co-pak	TO-247	450	1,800	Available	Complete
		MBD05T65S6FRRH*	5	1.60	0.08	0.06	5	FRD co-pak	DPAK	6,000	36,000	Available	Dec'25
High ruggedness	650V	MBF10T65S6FRTH*	10	1.60	0.18	0.14	5	FRD co-pak	TO-220F	1,000	4,000	Available	Dec'25
		MBF15T65S6FRTH*	15	1.60	0.35	0.15	3	FRD co-pak	TO-220F	1,000	4,000	Available	Dec'25
		MBQ50T65RFRTH	50	1.85	1.36	0.49	5	FRD co-pak	TO-247	450	1,800	Available	Complete
		MBQ25T120RFRTH	25	1.80	2.65	0.86	10	FRD co-pak	TO-247	450	1,800	Available	Complete
	1200V												

Discrete IGBT

New products

*development

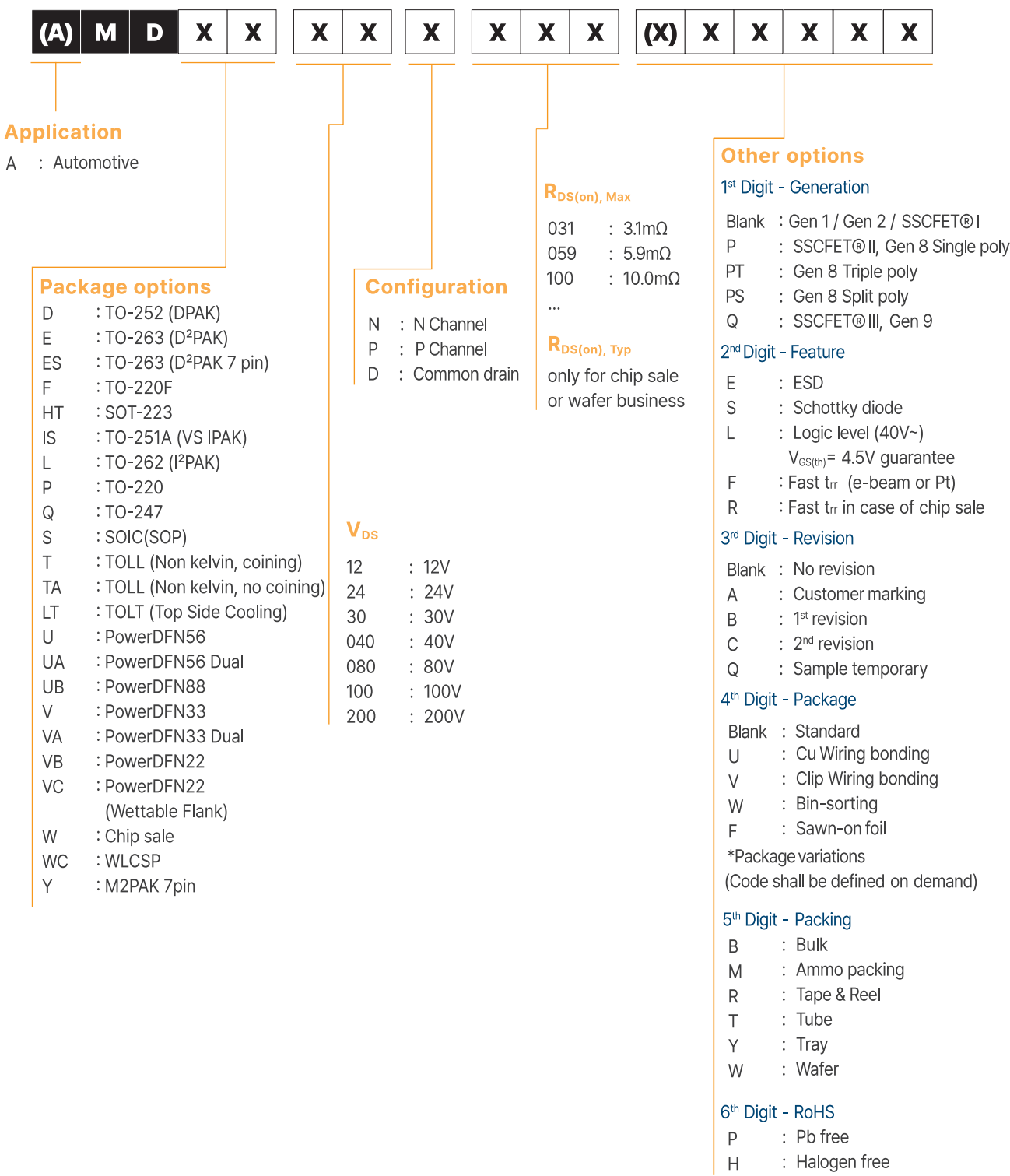
Type	V _{CE}	Product number	I _C [A] @100°C	V _{CE(sat)} [V]	Switching energy [mJ]		Short circuit withstand time [μs]	Option	Package	MOQ	Unit / Outer Box	Sample available	Product release
					E _{on}	E _{off}							
High speed	650V	MBE30T65S6FSRH*	30	1.50	0.71	0.83	-	FRD co-pak	D ² PAK	800	4,800	Aug'25	Dec'25
		MBQ40T65S6FSTH	40	1.65	1.44	0.34	-	FRD co-pak	TO-247	450	1,800	Available	Complete
		MBQ50T65RMSTH	50	1.65	1.86	1.45	-	SiC SBD co-pak	TO-247	450	1,800	Available	Complete
		MBQ60T65RFSTH	60	1.80	2.15	1.21	-	FRD co-pak	TO-247	450	1,800	Available	Complete
		MBQ75T65S6MSTH	75	1.70	3.30	1.80	-	SiC SBD co-pak	TO-247	450	1,800	Available	Complete
		MBQ75T65S6FSTH*	75	1.65	3.40	1.85	-	FRD co-pak	TO-247	450	1,800	Available	Dec'25
	1200V	MBQ40T120RFSTH*	40	1.75	2.70	1.10	-	FRD co-pak	TO-247	450	1,800	Aug'25	Dec'25
		MBQA75T120RFSTH	75	1.80	6.88	2.28	-	FRD co-pak	TO-247 Plus	450	1,800	Available	Complete
		MBQA100T120RFSTH*	100	1.75	9.42	2.97	-	FRD co-pak	TO-247 Plus	450	1,800	Aug'25	Dec'25
High conductivity	650V	MBQ40T65S6FHSTH	40	1.35	1.54	1.09	-	FRD co-pak	TO-247	450	1,800	Available	Complete
		MBQ50T65S6FHSTH*	50	1.20	1.75	1.67	-	FRD co-pak	TO-247	450	1,800	Aug'25	Dec'25
		MBQ75T65S6FHSTH	75	1.20	3.15	3.55	-	FRD co-pak	TO-247	450	1,800	Available	Complete
High ruggedness	650V	MBD05T65S6FRRH*	5	1.60	0.08	0.06	5	FRD co-pak	DPAK	6,000	36,000	Available	Dec'25
		MBF10T65S6FRTH*	10	1.60	0.18	0.14	5	FRD co-pak	TO-220F	1,000	4,000	Available	Dec'25
		MBF15T65S6FRTH*	15	1.60	0.35	0.15	3	FRD co-pak	TO-220F	1,000	4,000	Available	Dec'25
		MBQ50T65RFRTH	50	1.85	1.36	0.49	5	FRD co-pak	TO-247	450	1,800	Available	Complete
	1200V	MBQ25T120RFRTH	25	1.80	2.65	0.86	10	FRD co-pak	TO-247	450	1,800	Available	Complete

IGBT Chip

Type	V _{CE}	Product number	I _C [A] @100°C	V _{CE(sat)} [V]	Short circuit withstand time [μs]	Option Internal R _g [Ω]	Package	MOQ	Unit / Outer Box	Sample available	Product release
IGBT Chip	1200V	MBW50T120PHF	50	1.85	10	4.0	Sawn on foil	-	-	Available	Complete
		MBW75T120PS	75	2.10	5	7.5	Sawn on foil	-	-	Available	Complete
		MBW100T120PHF	100	1.70	10	5.0	Sawn on foil	-	-	Available	Complete
		MBW100T120PSF	100	2.10	-	5.0	Sawn on foil	-	-	Available	Complete

Naming system

MXT (Magnachip eXtreme Trench) MOSFET



X

X

X

R_{DS(on), Max}

031 : 3.1mΩ
059 : 5.9mΩ
100 : 10.0mΩ
...

R_{DS(on), Typ}

only for chip sale or wafer business

V_{DS}

12 : 12V
24 : 24V
30 : 30V
040 : 40V
080 : 80V
100 : 100V
200 : 200V

(X)

X

X

X

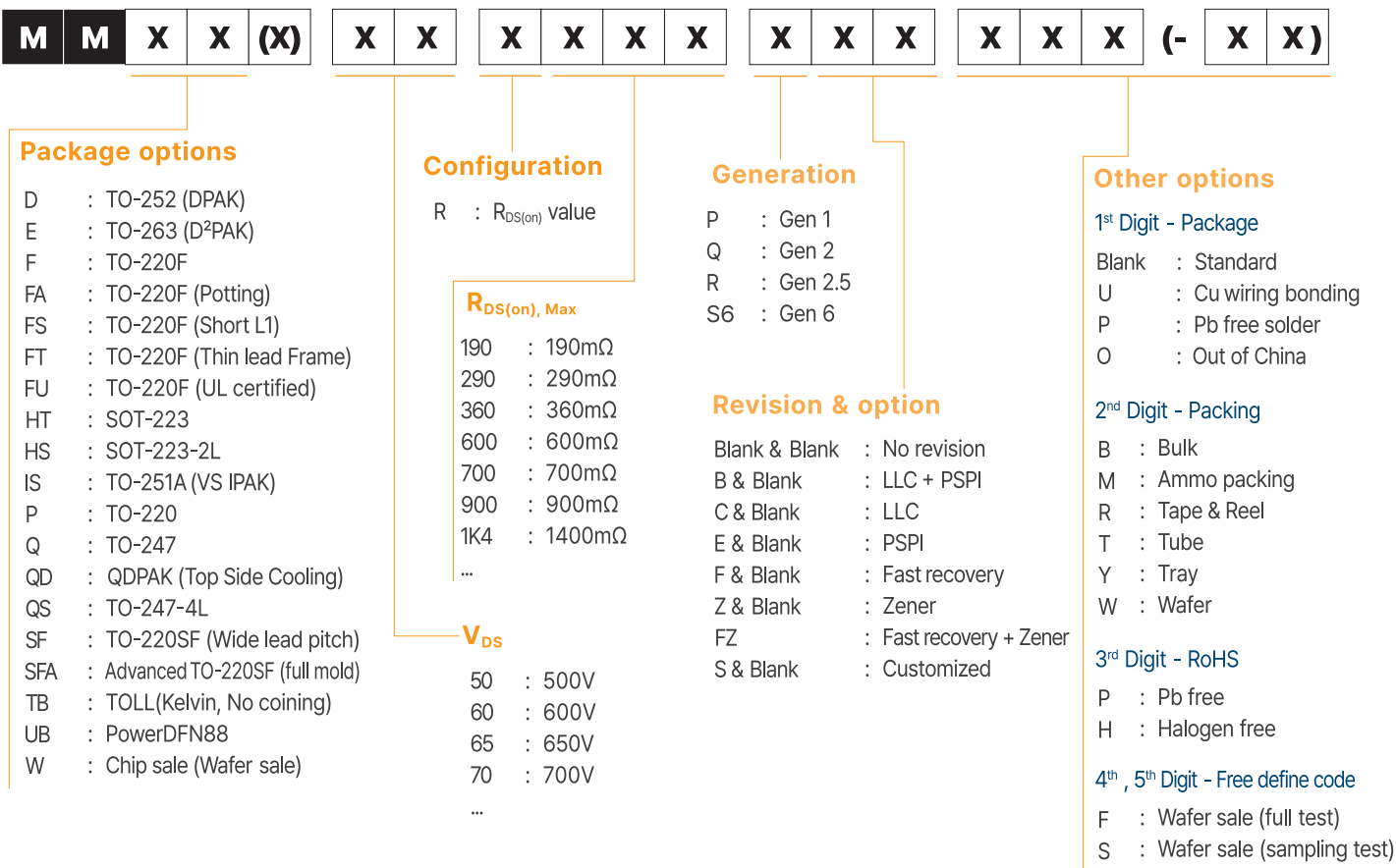
X

X

Other options

1st Digit - Generation
Blank : Gen 1 / Gen 2 / SSCFET® I
P : SSCFET® II, Gen 8 Single poly
PT : Gen 8 Triple poly
PS : Gen 8 Split poly
Q : SSCFET® III, Gen 92nd Digit - Feature
E : ESD
S : Schottky diode
L : Logic level (40V~)
V_{GS(th)} = 4.5V guarantee
F : Fast t_{rr} (e-beam or Pt)
R : Fast t_{rr} in case of chip sale3rd Digit - Revision
Blank : No revision
A : Customer marking
B : 1st revision
C : 2nd revision
Q : Sample temporary4th Digit - Package
Blank : Standard
U : Cu Wiring bonding
V : Clip Wiring bonding
W : Bin-sorting
F : Sawn-on foil*Package variations
(Code shall be defined on demand)5th Digit - Packing
B : Bulk
M : Ammo packing
R : Tape & Reel
T : Tube
Y : Tray
W : Wafer6th Digit - RoHS
P : Pb free
H : Halogen free

Super Junction MOSFET



X

X

X

(-

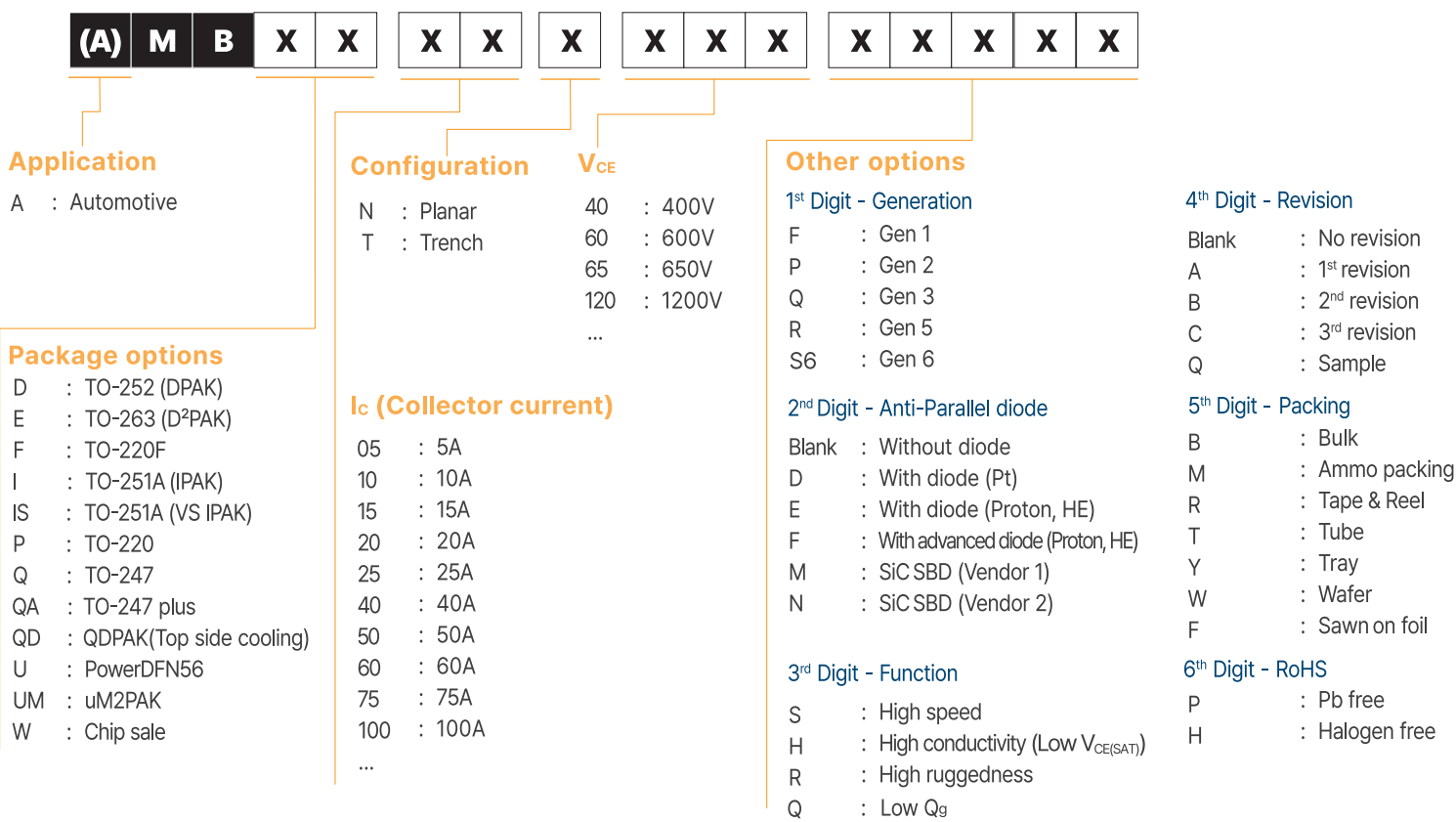
X

X)

Other options

1st Digit - Package
Blank : Standard
U : Cu wiring bonding
P : Pb free solder
O : Out of China2nd Digit - Packing
B : Bulk
M : Ammo packing
R : Tape & Reel
T : Tube
Y : Tray
W : Wafer3rd Digit - RoHS
P : Pb free
H : Halogen free4th, 5th Digit - Free define code
F : Wafer sale (full test)
S : Wafer sale (sampling test)

IGBT (Insulated Gate Bipolar Transistor)



X

X

X

X

X

Other options

1st Digit - Generation
F : Gen 1
P : Gen 2
Q : Gen 3
R : Gen 5
S6 : Gen 62nd Digit - Anti-Parallel diode
Blank : Without diode
D : With diode (Pt)
E : With diode (Proton, HE)
F : With advanced diode (Proton, HE)
M : SiC SBD (Vendor 1)
N : SiC SBD (Vendor 2)3rd Digit - Function
S : High speed
H : High conductivity (Low V_{CE(SAT)})
R : High ruggedness
Q : Low Q_g4th Digit - Revision
Blank : No revision
A : 1st revision
B : 2nd revision
C : 3rd revision
Q : Sample5th Digit - Packing
B : Bulk
M : Ammo packing
R : Tape & Reel
T : Tube
Y : Tray
W : Wafer
F : Sawn on foil6th Digit - RoHS
P : Pb free
H : Halogen free

X

X

Package options

D : TO-252 (DPAK)
E : TO-263 (D²PAK)
F : TO-220F
I : TO-251A (IPAK)
IS : TO-251A (VS IPAK)
P : TO-220
Q : TO-247
QA : TO-247 plus
QD : QDPAK (Top side cooling)
U : PowerDFN56
UM : uM2PAK
W : Chip sale

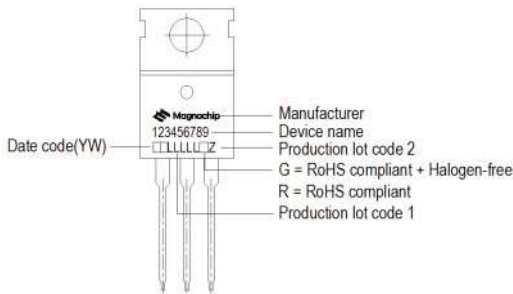
I_c (Collector current)

05 : 5A
10 : 10A
15 : 15A
20 : 20A
25 : 25A
40 : 40A
50 : 50A
60 : 60A
75 : 75A
100 : 100A
...

Package Information

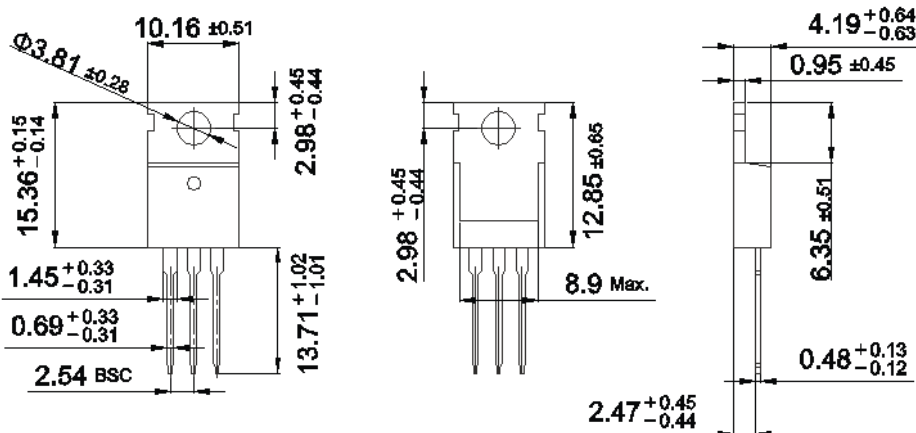
Package Information

TO-220 MX: P

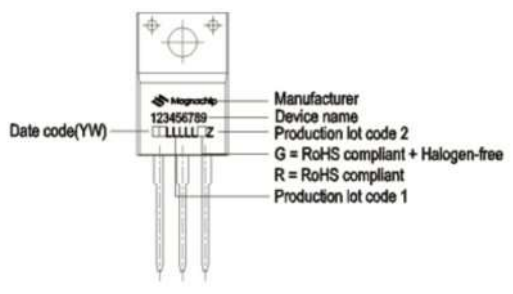


Marking layout

Package outline

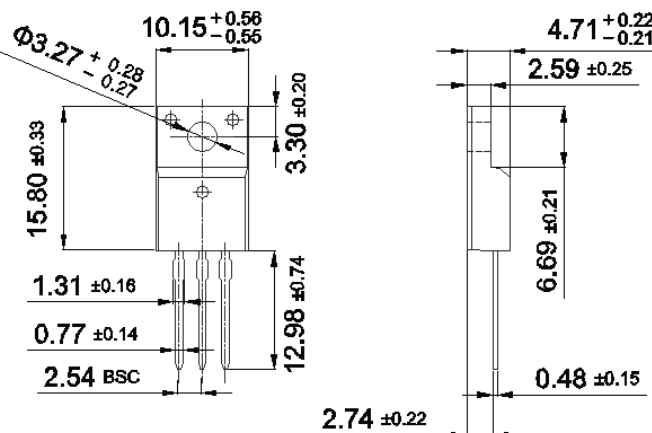


TO-220F with Potting MX: FA

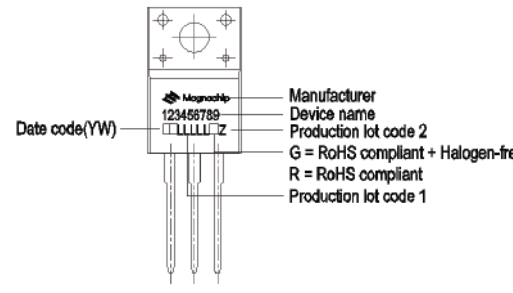


Marking layout

Package outline

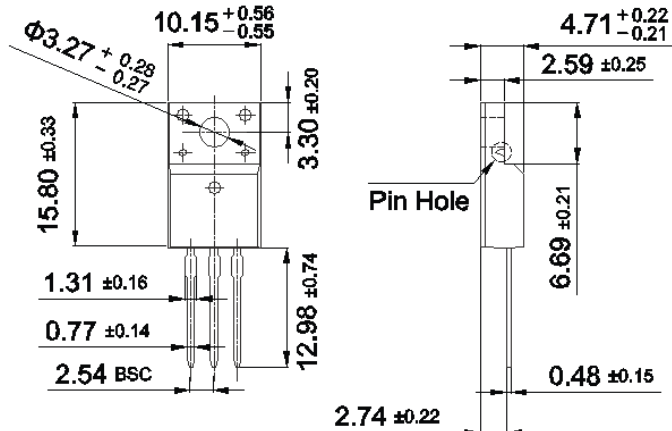


TO-220F MX: F

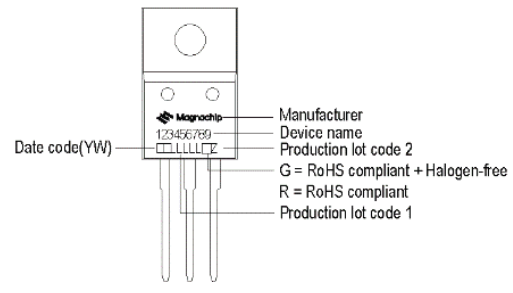


Marking layout

Package outline

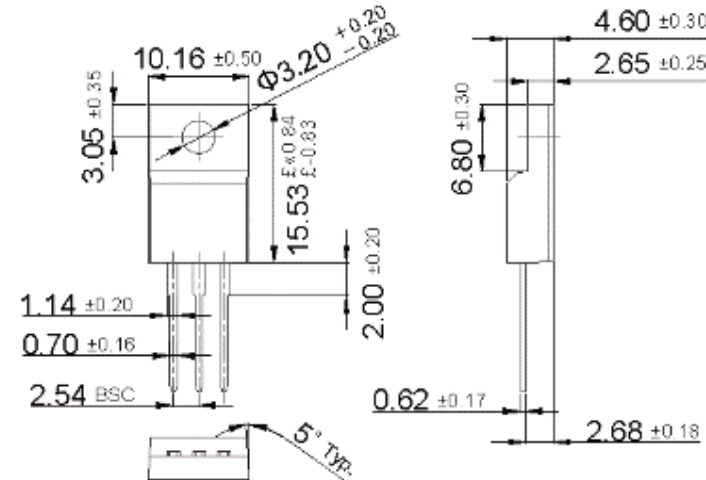


TO-220F with Thin Lead Frame MX: FT



Marking layout

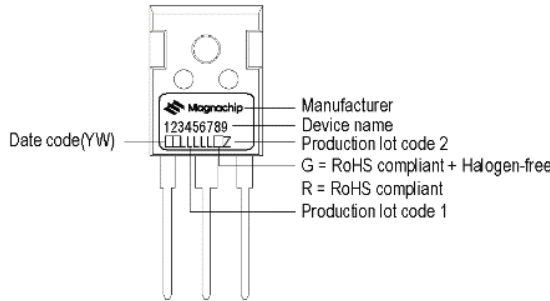
Package outline



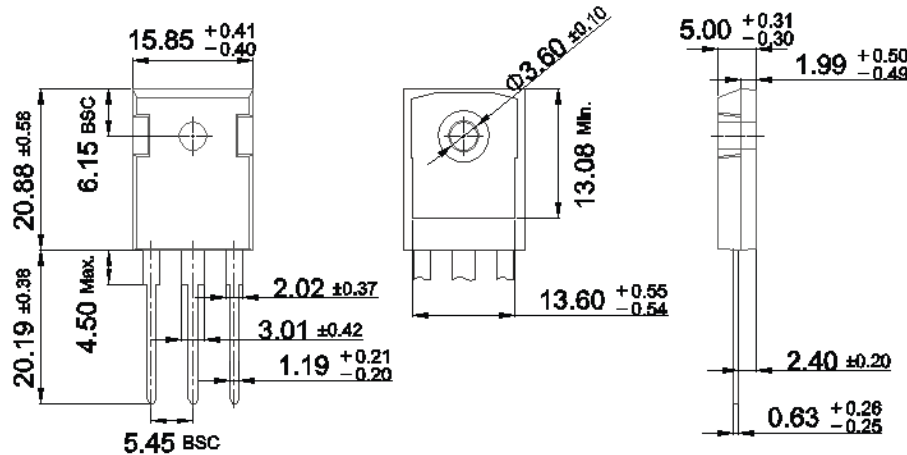
Package Information

TO-247

MX: Q



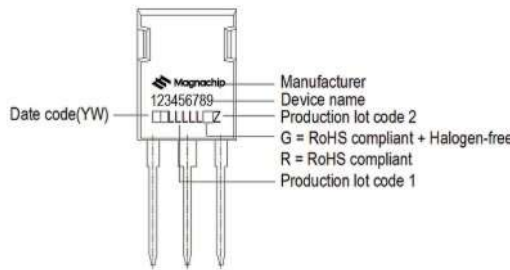
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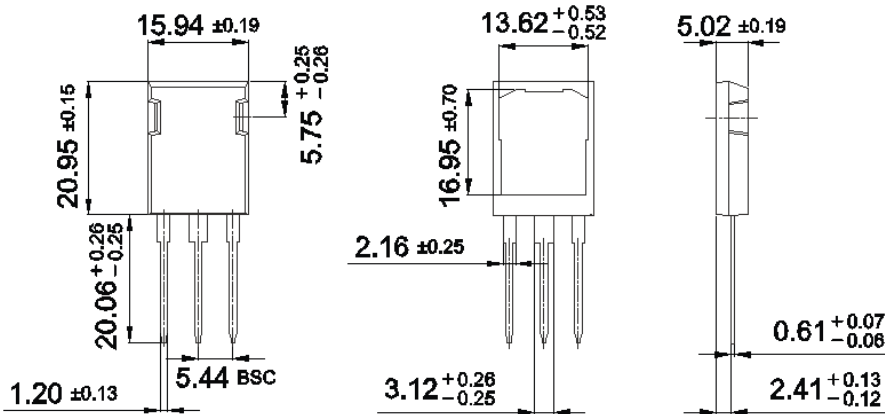
Package outline

TO-247 Plus

MX: QA



Marking layout

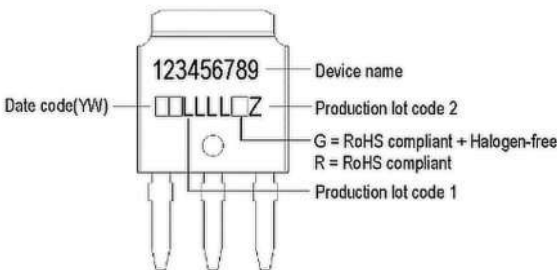


Package outline

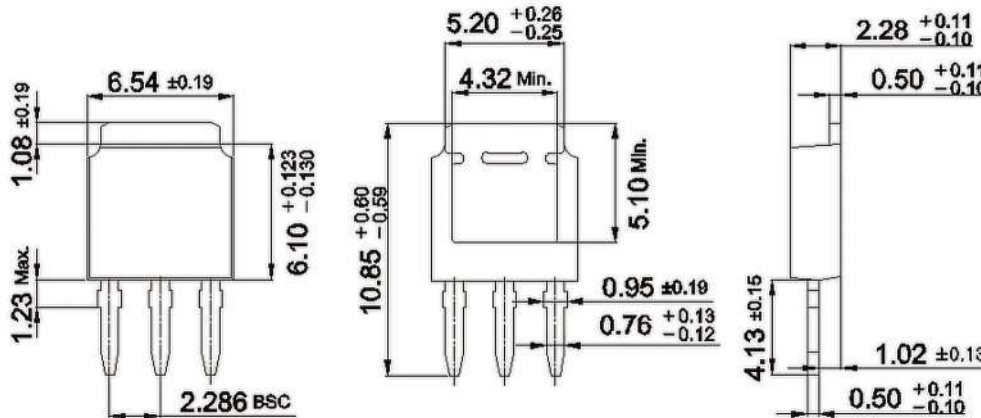
Package Information

TO-251 (VS IPAK)

MX: IS



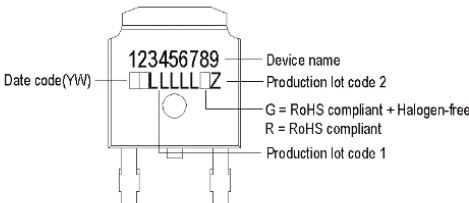
Marking layout



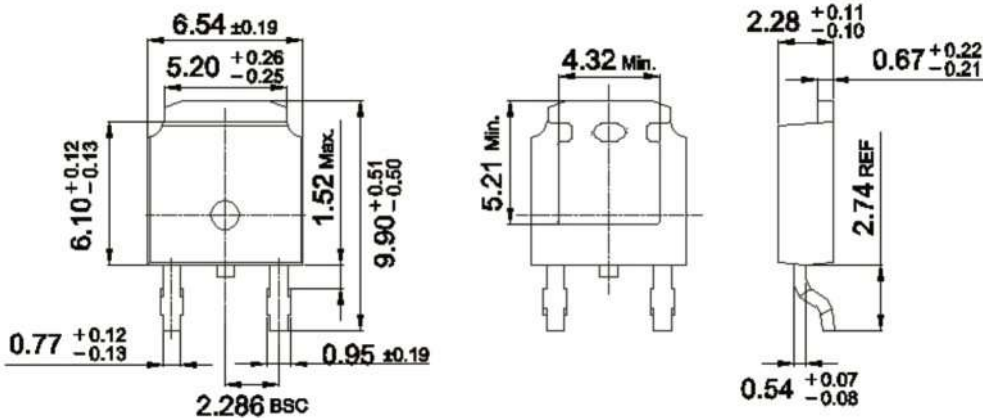
Package outline

TO-252 (DPAK)

MX: D



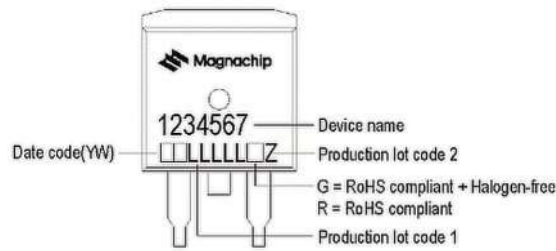
Marking layout



Package outline

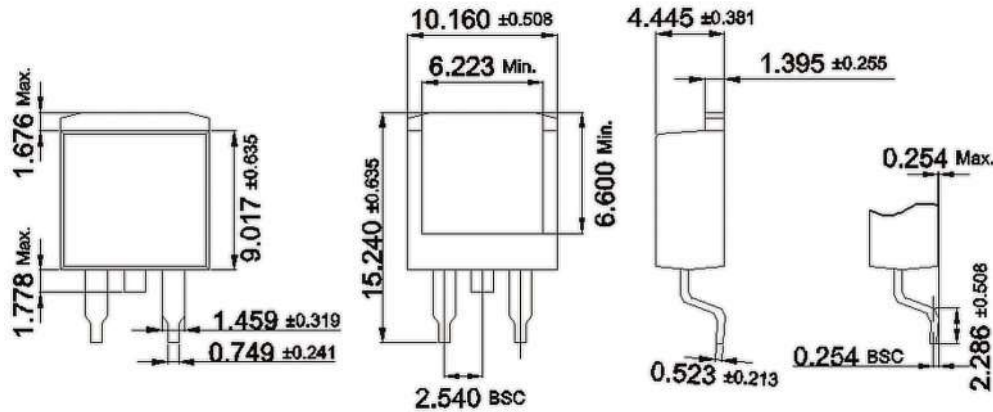
Package Information

TO-263 (D²PAK) MX: E



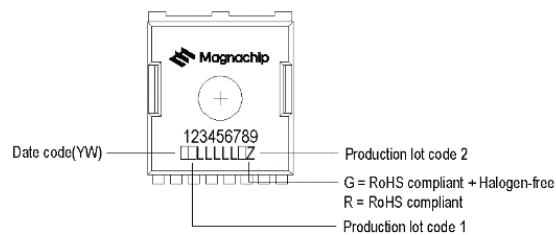
Marking layout

Package outline



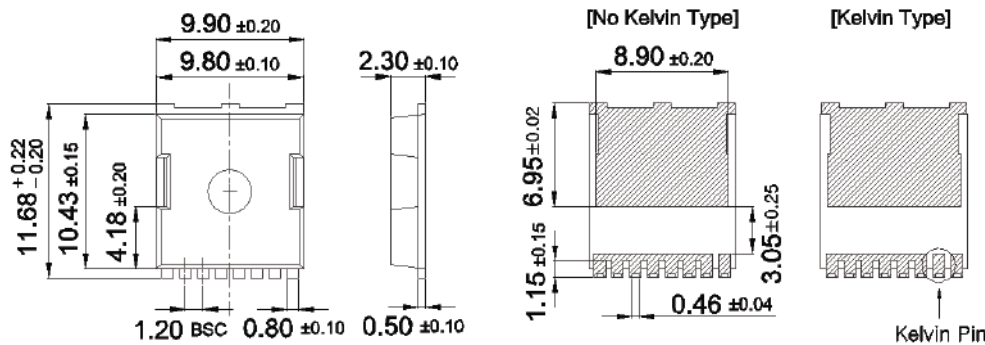
Package Information

TOLL (TO-Leadless) MX: T, TA, TB

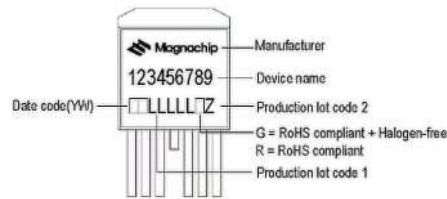


Marking layout

Package outline

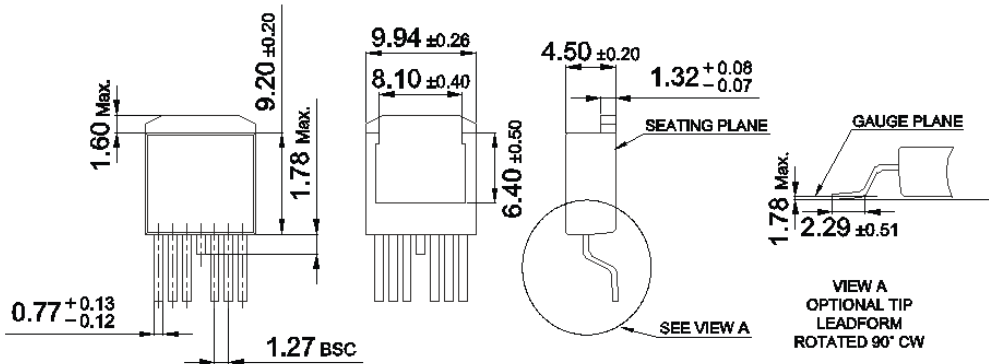


TO-263-7 (D²PAK-7L) MX: ES

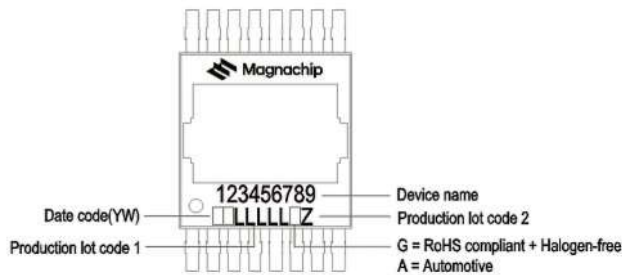


Marking layout

Package outline

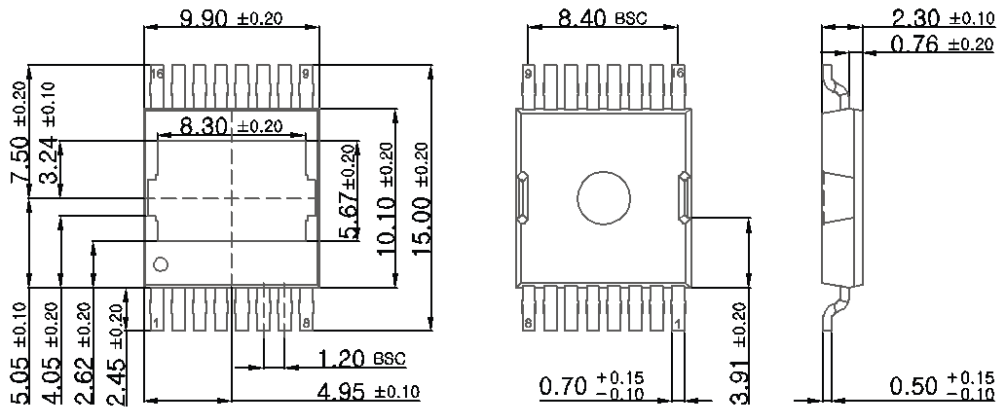


TOLT (TO-Leaded top-side cooling) MX: LT



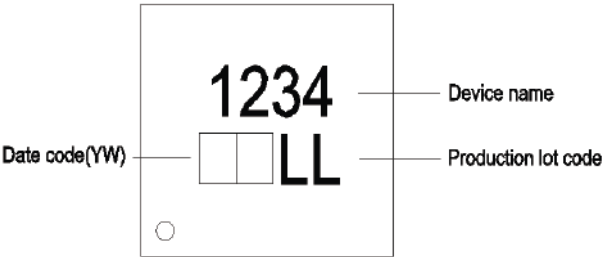
Marking layout

Package outline



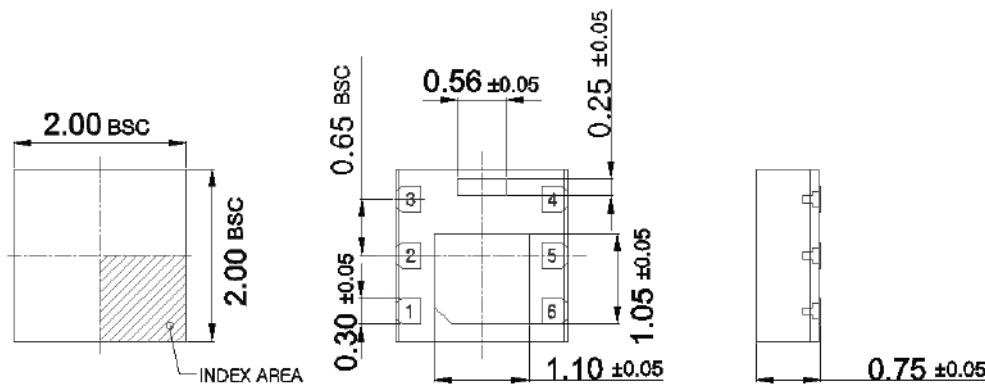
Package Information

Power DFN22 MX: VB, VD



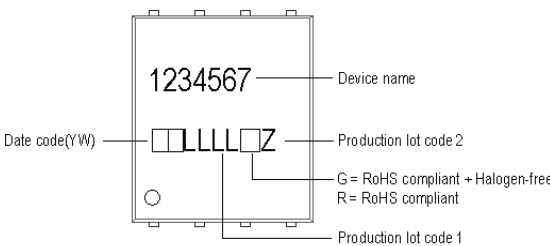
Marking layout

Package outline



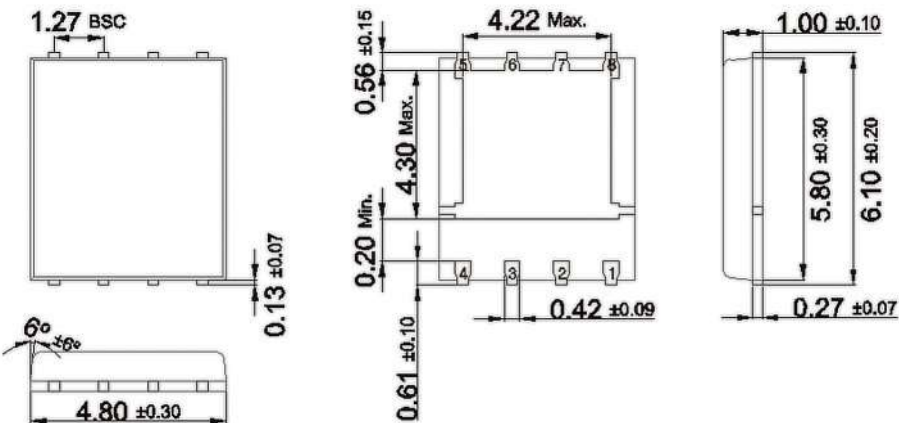
Package Information

Power DFN56 MX: U

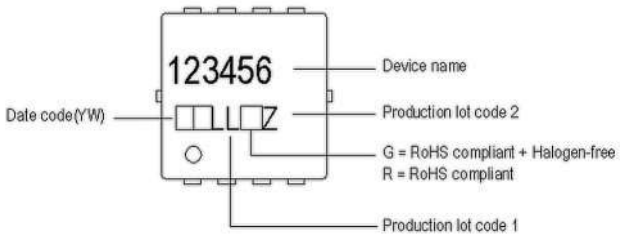


Marking layout

Package outline

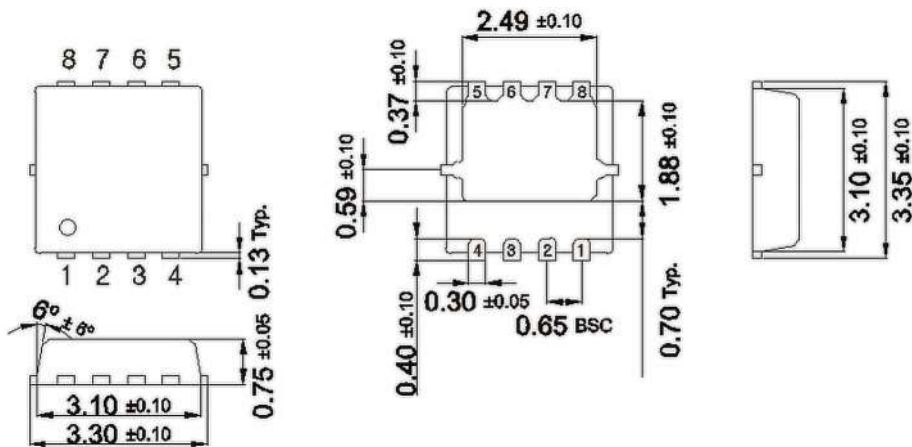


Power DFN33 MX: V

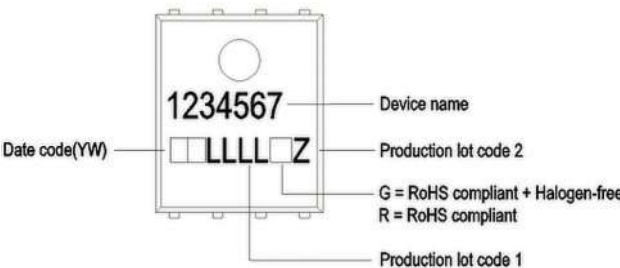


Marking layout

Package outline

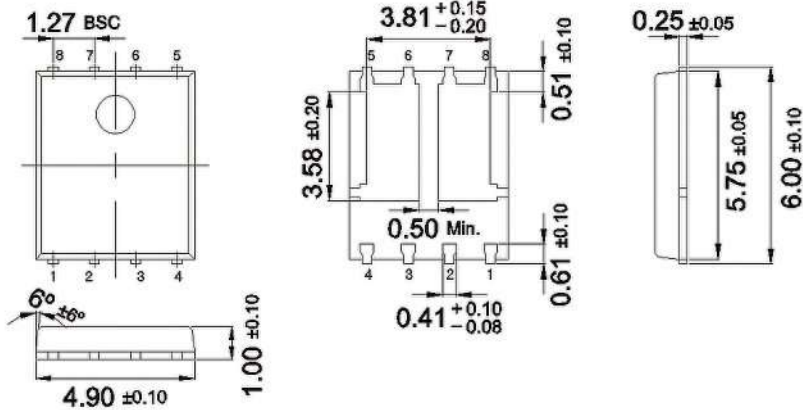


Power DFN56 Dual MX: UA



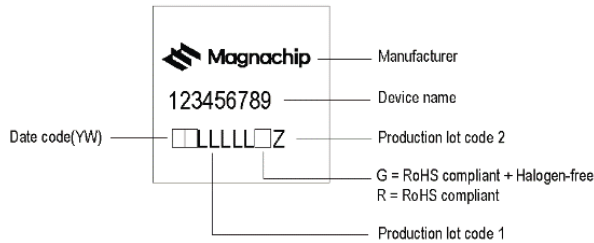
Marking layout

Package outline

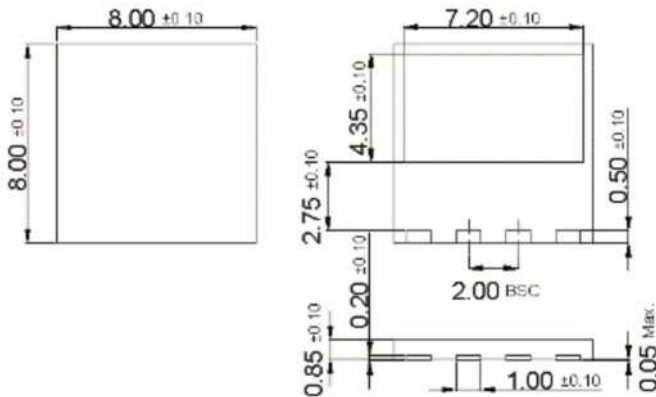


Package Information

Power DFN88MX: UB



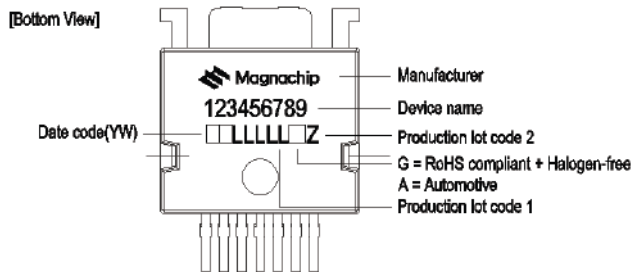
Marking layout



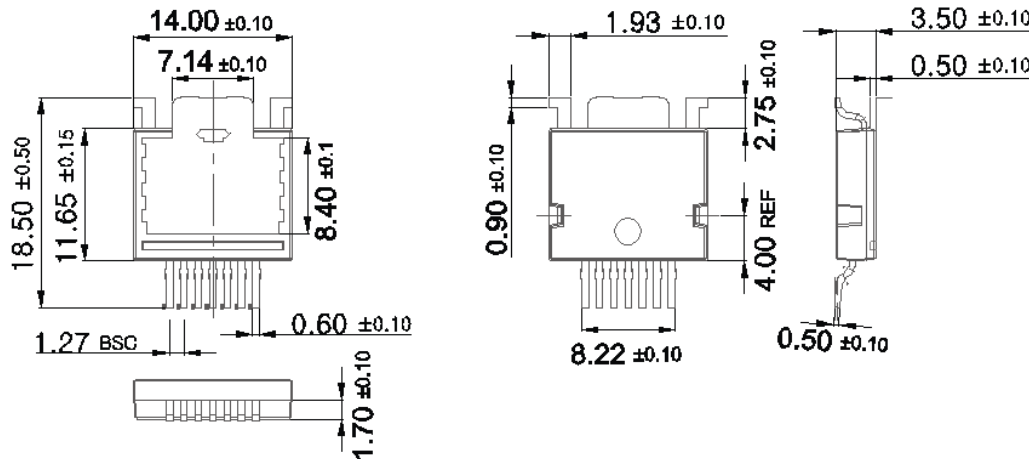
Package outline

Package Information

uM2PAKMX: UM

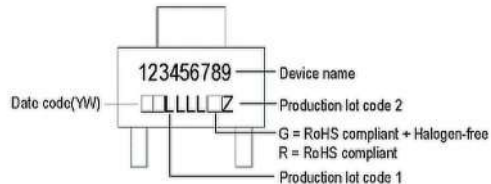


Marking layout

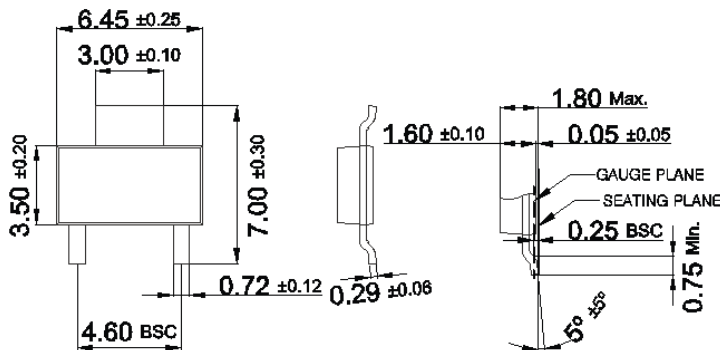


Package outline

SOT-223-2LMX: HS

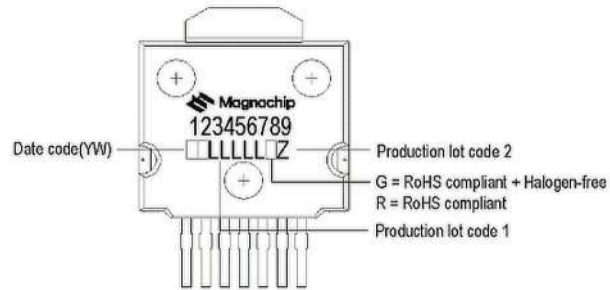


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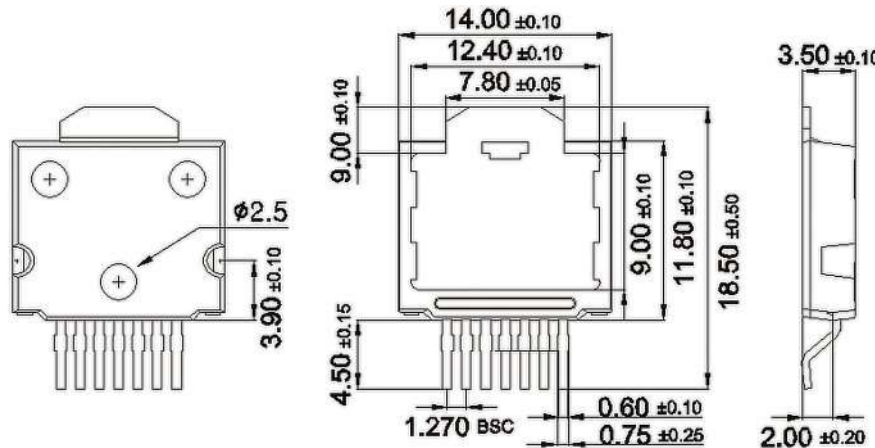


Package outline

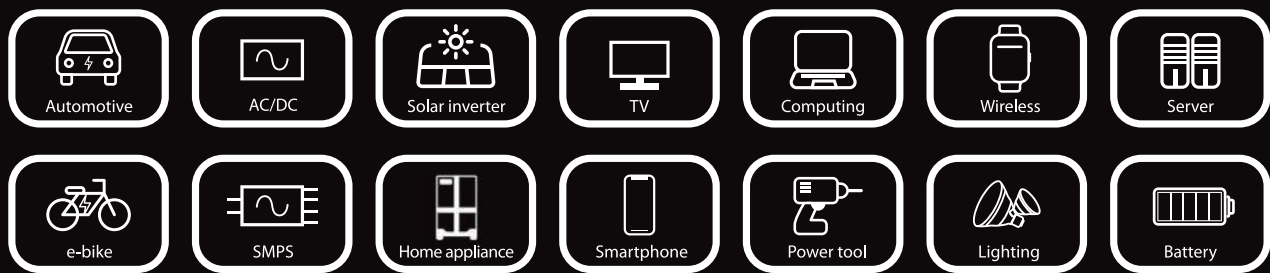
M2PAK-7PMX: Y



Marking layout



Package outline



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 Tel +82-43-718-4114 E-mail koreasales@magnachip.com
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