



SiC功率器件

SiC 功率产品包含车规级和工业级碳化硅二极管、碳化硅 MOSFET，为电动汽车和新能源市场提供更高功率密度和更高能源转换效率的关键器件，可应用于DC/DC车载电源、汽车电驱动、充电桩、光伏逆变器、工业电源等高效、高可靠性应用场景。

SiC SBD 分立器件



Part Number	V _{RRM} (V)	I _{F(AV)} (A)	V _F (V)	I _{FSM} (A)	T _{jmax}	Qualification	Package Outline
MM20S120B	1200	20	1.40	180	175°C	Industrial	TO-247-2L
MM20SH120B	1200	20	1.45	180	175°C	Industrial	TO-247-2L
MM40S120B	1200	40	1.40	360	175°C	Industrial	TO-247-2L
MM40SH120B	1200	40	1.45	360	175°C	Industrial	TO-247-2L

SiC MOSFET 分立器件



Part Number	V _{DSS} (V)	I _D (A)	R _{ds(on)} (mΩ)	Q _q (nC)	T _{jmax}	Qualification	Package Outline
MM11NAS075KZ	750	138	11	217	175°C	Industrial	TO-247-4L
MM25NAS075KZ	750	74	25	112	175°C	Industrial	TO-247-4L
MM13N120BK	1200	130	13	184	175°C	Industrial	TO-247-4L
MM15NAS120KZ	1200	126	18	222	175°C	Industrial	TO-247-4L
MM20NAS120KZ	1200	88	20	175	175°C	Industrial	TO-247-4L
MM30NAS120KZ	1200	64	30	117	175°C	Industrial	TO-247-4L
MM39NAS120KZ	1200	50	39	93	175°C	Industrial	TO-247-4L
MM40N120BK	1200	50	40	120	175°C	Industrial	TO-247-4L

SiC SBD 模块

	Circuit	Part Number	V _{RRM} (V)	I _{F(AV)} (A)	V _F (V)	R _{thJC} (K/W)	Qualification	Package Outline
		MMS2X60J120D	1200	2x60	1.40	0.11	Industrial	SJ
		MMS2X100J065D	1200	2x100	1.36	0.24	Industrial	SJ

SiC MOSFET 模块

	Circuit	Part Number	V _{DSS} (V)	I _D (A)	R _{ds(on)} (mΩ)	R _{thJF} (K/W)	Qualification	Package Outline
		MMN01V120X6BS	1200	540	1.57	0.105	Automotive	NV
		MMN02V120X6BS	1200	439	2.12	0.118	Automotive	NV
		MMN7CB120BA6BS	1200	110	7.0	0.32	Industrial	NCB
		MMN13J120U6TN	1200	107	13.4	0.565	Industrial	NJ
		MMN14S120B6TN	1200	140	13.8	0.467	Industrial	NS

应用领域



充电桩



电动汽车



光伏逆变器



伺服驱动器



UPS