

V _{DS}	Product SKU	R _{DS(on)} @25°C	I _D	V _{GS}	Package	Status	Data Sheet
650V	ASC100N650MT3	12mΩ	100A	18V	TO247-3	Product	ASC100N650MT3
	ASC100N650MT4	12mΩ	100A	18V	TO247-4	Product	ASC100N650MT4
	ASC100N650MT4PB	12mΩ	100A	15V	TO247-4	Product	/
	ASR12N650MD02	12mΩ	100A	18V	TOLL	Product	ASR12N650MD02
	ASR35N650MD02	35mΩ	60A	18V	TOLL	Product	ASR35N650MD02
	ASR35N650MD88	35mΩ	60A	18V	PDFN8*8	Product	ASR35N650MD88
	ASC60N650MT3	30mΩ	60A	18V	TO247-3	Product	ASC60N650MT3
	ASC60N650MT4	30mΩ	60A	18V	TO247-4	Product	ASC60N650MT4
	ASC60N650MT7	30mΩ	60A	18V	TO263-7	Product	ASC60N650MT7
	ASC30N650MF3	60mΩ	36A	18V	TO220F	Product	ASC30N650MF3
	ASC30N650MT3	60mΩ	36A	18V	TO247-3	Product	ASC30N650MT3
	ASC30N650MT4	60mΩ	36A	18V	TO247-4	Product	ASC30N650MT4
	ASC30N650MT4PB	60mΩ	30A	15V	TO247-4	Product	/
	ASC30N650MT7	60mΩ	36A	18V	TO263-7	Product	ASC30N650MT7
	ASR60N650MD88	60mΩ	36A	18V	PDFN8*8	Product	ASR60N650MD88
	ASR90N650MD88PB	90mΩ	25A	12V	TDFN8*8	Product	ASR90N650MD88PB
	ASR320N650MD56	320mΩ	8A	12V	PDFN5*6	Product	ASR320N650MD56
	ASR320N650MD56R	320mΩ	8A	12V	PDFN5*6	Product	ASR320N650MD56R
	ASR320N650MD88	320mΩ	8A	12V	PDFN8*8	Product	ASR320N650MD88
1200V	ASC200N1200MDSK	7.5mΩ	250A	18V	SOT227	Product	ASC200N1200MDSK
	ASC200N1200MT4	8mΩ	200A	18V	TO247-4	Product	ASC200N1200MT4
	ASC150N1200MT4	10mΩ	150A	15V/18V	TO247-4	Product	ASC150N1200MT4
	ASC100N1200MDS	16mΩ	120A	18V	SOT227	Product	ASC100N1200MDS
	ASC100N1200MDSK	16mΩ	120A	18V	SOT227	Product	ASC100N1200MDSK
	ASC100N1200MT3	16mΩ	100A	18V	TO247-3	Product	ASC100N1200MT3
	ASC100N1200MT4	16mΩ	115A	18V	TO247-4	Product	ASC100N1200MT4
	ASR16N1200MD02	16mΩ	100A	18V	TOLL	Product	ASR16N1200MD02
	ASC100N1200MT4PB	20mΩ	100A	15V	TO247-4	Product	ASC100N1200MT4PB
	ASR20N1200MD02PB	20mΩ	100A	15V	TOLL	Product	ASR20N1200MD02PB
	ASC75N1200MT4PB	30mΩ	75A	15V/18V	TO247-4	Product	ASC75N1200MT4PB
	ASC75N1200MT4SPB	30mΩ	75A	15V/18V	TO247-4	Product	ASC75N1200MT4SPB
	ASC60N1200MT4PB	40mΩ	60A	15V	TO247-4	Product	ASC60N1200MT4PB
	ASC60N1200MT3	45mΩ	60A	18V	TO247-3	Product	ASC60N1200MT3
	ASC60N1200MT4	45mΩ	60A	18V	TO247-4	Product	ASC60N1200MT4
	ASC60N1200MT4i	45mΩ	60A	18V	TO247-4	Product	/

V _{DS}	Product SKU	R _{DS(on)} @25°C	I _D	V _{GS}	Package	Status	Data Sheet
1200V	ASC60N1200MT7	45mΩ	60A	18V	TO263-7	Product	ASC60N1200MT7
	ASR45N1200MD02	45mΩ	60A	18V	TOLL	Product	ASR45N1200MD02
	ASR50N1200MD88	45mΩ	60A	18V	PDFN8*8	Product	ASR50N1200MD88
	ASC30N1200MT3	80mΩ	32A	18V	TO247-3	Product	ASC30N1200MT3
	ASC30N1200MT4	80mΩ	32A	18V	TO247-4	Product	ASC30N1200MT4
	ASC30N1200MT4PB	80mΩ	32A	15V	TO247-4	Product	ASC30N1200MT4PB
	ASC30N1200MT7	80mΩ	32A	18V	TO263-7	Product	ASC30N1200MT7
	ASR80N1200MD02	80mΩ	30A	18V	TOLL	Product	ASR80N1200MD02
	ASR80N1200MD88	80mΩ	30A	18V	PDFN8*8	Product	ASR80N1200MD88
	ASC20N1200MT3PB	160mΩ	20A	15V	TO247-3	Product	ASC20N1200MT3PB
	ASC20N1200MT4PB	160mΩ	20A	15V	TO247-4	Product	ASC20N1200MT4PB
	ASC20N1200MT7PB	160mΩ	20A	15V	TO263-7	Product	ASC20N1200MT7PB
	ASR160N1200MD02PB	160mΩ	20A	15V	TOLL	Product	ASR160N1200MD02PB
	ASR160N1200MD88PB	160mΩ	20A	15V	PDFN8*8	Product	ASR160N1200MD88PB
1700V	ASC120N1700MT4L	14mΩ	120A	15V/18V	TO247-4L	Product	ASC120N1700MT4L
	ASC100N1700MT3	25mΩ	100A	18V	TO247-3	Product	ASC100N1700MT3
	ASC100N1700MT4i	25mΩ	100A	18V	TO247-4	Product	/
	ASC100N1700MT4L	26mΩ	100A	18V	TO247-4L	Product	ASC100N1700MT4L
	ASC40N1700MT3	72mΩ	40A	18V	TO247-3	Product	ASC40N1700MT3
	ASC40N1700MT4L	72mΩ	40A	18V	TO247-4L	Product	/
	ASC5N1700MT3PB	750mΩ	5A	12V	TO247-3	Product	ASC5N1700MT3PB
	ASC5N1700MT7PB	750mΩ	5A	12V	TO263-7	Product	ASC5N1700MT7PB
	ASC1N1700MF3PB	10000mΩ	1A	12V	TO220F	Product	ASC1N1700MF3PB
2000V	ASC30N2000MT4PB	88mΩ	30A	15V	TO247-4	Product	ASC30N2000MT4PB
3300V	ASC80N3300MT4	40mΩ	80A	18V	TO247-4	Product	/
	ASC20N3300MT4	160mΩ	20A	18V	TO247-4	Product	/

* 注：尾缀“PB” ——15V Vgs版本； “i” ——绝缘版本； “L” ——新型TO247-4封装版本。

Package	Product SKU	V _{DS}	R _{DS(on)} @25℃	I _D	Status	Data Sheet
34mm --产品覆盖-- V _{DS} : 650~1700V I _D : 30~300A R _{DS(on)} : 4~80mΩ	ASC300N1200ME2	1200V	5.3mΩ	300A	Product	ASC300N1200ME2
	ASC200N1200ME2	1200V	8mΩ	200A	Product	ASC200N1200ME2
	ASC200N1200ME2F	1200V	8mΩ	200A	Product	ASC200N1200ME2F
	ASC200N1200ME2H	1200V	8mΩ	200A	Product	ASC200N1200ME2H
	ASR9N1200ME2	1200V	9mΩ	160A	Product	ASR9N1200ME2
	ASR12N1200ME2	1200V	11.2mΩ	130A	Product	ASR12N1200ME2
	ASR15N1200ME2H	1200V	15mΩ	110A	Product	ASR15N1200ME2H
	ASR23N1200ME2	1200V	22.5mΩ	82A	Product	ASR23N1200ME2
	ASR23N1200ME2F	1200V	22.5mΩ	82A	Product	ASR23N1200ME2F
	ASR23N1200ME2H	1200V	22.5mΩ	82A	Product	ASR23N1200ME2H
	ASC300N1700ME2	1700V	8.7mΩ	300A	Product	ASC300N1700ME2
	ASC200N1700ME2	1700V	13mΩ	200A	Product	ASC200N1700ME2
	ASC100N1700ME2	1700V	26mΩ	100A	Product	ASC100N1700ME2
62mm --产品覆盖-- V _{DS} : 650~1700V I _D : 30~600A R _{DS(on)} : 2~80mΩ	ASC600N1200ME3	1200V	2.7mΩ	600A	Product	ASC600N1200ME3
	ASC600N1200ME3F	1200V	2.7mΩ	600A	Product	ASC600N1200ME3F
	ASC500N1200ME3	1200V	3.2mΩ	500A	Product	ASC500N1200ME3
	ASC400N1200ME3	1200V	4mΩ	400A	Product	ASC400N1200ME3
	ASC400N1200ME3F	1200V	4mΩ	400A	Product	ASC400N1200ME3F
	ASC300N1200ME3	1200V	5.3mΩ	300A	Product	ASC300N1200ME3
	ASC300N1200ME3F	1200V	5.3mΩ	300A	Product	ASC300N1200ME3F
	ASR6N1200ME3	1200V	5.6mΩ	245A	Product	ASR6N1200ME3
	ASR8N1200ME3	1200V	7.5mΩ	210A	Product	ASR8N1200ME3
	ASC200N1200ME3F	1200V	8mΩ	200A	Product	ASC200N1200ME3F
	ASC200N1200ME3H	1200V	8mΩ	200A	Product	ASC200N1200ME3H
	ASR9N1200ME3	1200V	9mΩ	180A	Product	ASR9N1200ME3
	ASR12N1200ME3	1200V	11.2mΩ	130A	Product	ASR12N1200ME3
	ASC600N1700ME3	1700V	4.3mΩ	600A	Product	ASC600N1700ME3
	ASC600N1700ME3H	1700V	4.3mΩ	600A	Product	ASC600N1700ME3H
	ASC400N1700ME3	1700V	6.5mΩ	400A	Product	ASC400N1700ME3
	ASC400N1700ME3F	1700V	6.5mΩ	400A	Product	ASC400N1700ME3F
	ASC300N1700ME3	1700V	8.7mΩ	300A	Product	ASC300N1700ME3
	ASC300N1700ME3F	1700V	8.7mΩ	300A	Product	ASC300N1700ME3F
	ASC200N1700ME3	1700V	13mΩ	200A	Product	ASC200N1700ME3
	ASC200N1700ME3H	1700V	13mΩ	200A	Product	ASC200N1700ME3H
D21	ASC30N1200D21	1200V	80mΩ	32A	Product	ASC30N1200D21

Package	Product SKU	V _{DS}	R _{DS(on)} @25℃	I _D	Status	Data Sheet
DCS12 --产品覆盖-- V_{DS}: 650~1700V I_D: 400~1000A R_{DS(on)} : 1.3~6.2mΩ	ASC800N650DCS12	650V	1.5mΩ	800A	Product	ASC800N650DCS12
	ASC400N650DCS12	650V	3mΩ	400A	Product	/
	ASR1P5N1200DCS12	1200V	1.3mΩ	1000A	Product	/
	ASC800N1200DCS12	1200V	2mΩ	800A	Product	ASC800N1200DCS12
	ASC400N1200DCS12	1200V	4mΩ	400A	Product	/
	ASR2P2N1700DCS12	1700V	-	1000A	Development	/
	ASC800N1700DCS12	1700V	3.25mΩ	800A	Product	ASC800N1700DCS12
	ASC600N1700DCS12	1700V	4.3mΩ	600A	Product	ASC600N1700DCS12
MD3 --产品覆盖-- V_{DS}: 650~1700V I_D: 300~800A R_{DS(on)} : 1.5~8.3mΩ	ASC800N650MD3	650V	1.5mΩ	800A	Product	ASC800N650MD3
	ASC800N650MD3F	650V	1.5mΩ	800A	Product	ASC800N650MD3F
	ASC600N650MD3	650V	2mΩ	600A	Product	/
	ASC400N650MD3	650V	3mΩ	400A	Product	/
	ASC800N1200MD3	1200V	2mΩ	800A	Product	ASC800N1200MD3
	ASC800N1200MD3F	1200V	2mΩ	800A	Product	ASC800N1200MD3F
	ASC700N1200MD3	1200V	2.3mΩ	700A	Product	ASC700N1200MD3
	ASC700N1200MD3F	1200V	2.3mΩ	700A	Product	ASC700N1200MD3F
	ASC600N1200MD3F	1200V	2.7mΩ	600A	Product	ASC600N1200MD3F
	ASC500N1200MD3F	1200V	3.2mΩ	500A	Product	ASC500N1200MD3F
	ASC400N1200MD3	1200V	4mΩ	400A	Product	ASC400N1200MD3
	ASC400N1200MD3F	1200V	4mΩ	400A	Product	ASC400N1200MD3F
	ASC300N1200MD3	1200V	5.3mΩ	300A	Product	/
	ASC800N1700MD3F	1700V	3.3mΩ	800A	Product	ASC800N1700MD3F
	ASC700N1700MD3	1700V	3.7mΩ	700A	Product	ASC700N1700MD3
	ASC700N1700MD3F	1700V	3.7mΩ	700A	Product	ASC700N1700MD3F
	ASC600N1700MD3	1700V	4.2mΩ	600A	Product	/
	ASC400N1700MD3	1700V	6.3mΩ	400A	Product	/
MED --产品覆盖-- V_{DS}: 650~1700V I_D: 210~1000A R_{DS(on)} : 1.3~8.7mΩ	ASC800N650MED	650V	1.5mΩ	800A	Product	ASC800N650MED
	ASC400N650MED	650V	3mΩ	400A	Product	/
	ASR1P5N1200MED	1200V	1.3mΩ	1000A	Product	/
	ASC900N1200MED	1200V	1.8mΩ	900A	Product	ASC900N1200MED
	ASC800N1200MED	1200V	2mΩ	800A	Product	ASC800N1200MED
	ASC600N1200MED	1200V	2.7mΩ	600A	Product	ASC600N1200MED
	ASC400N1200MED	1200V	4mΩ	400A	Product	ASC400N1200MED
	ASC400N1200MEDF	1200V	4mΩ	400A	Product	ASC400N1200MEDF
	ASC300N1200MED	1200V	5.3mΩ	300A	Product	ASC300N1200MED

Package	Product SKU	V _{DS}	R _{DS(on)} @25℃	I _D	Status	Data Sheet
MED --产品覆盖-- V_{DS}: 650~1700V I_D: 210~1000A R_{DS(on)} : 1.3~8.7mΩ	ASR8N1200MED	1200V	7.5mΩ	210A	Product	ASR8N1200MED
	ASR8N1200MEDF	1200V	7.5mΩ	180A	Product	ASR8N1200MEDF
	ASR2P2N1700MED	1700V	1.75mΩ	1000A	Development	/
	ASC800N1700MED	1700V	3.2mΩ	800A	Product	ASC800N1700MED
	ASC600N1700MED	1700V	4.3mΩ	600A	Product	ASC600N1700MED
	ASC600N1700MEDH	1700V	4.3mΩ	600A	Product	ASC600N1700MEDH
	ASC400N1700MED	1700V	6.5mΩ	400A	Product	ASC400N1700MED
	ASC300N1700MED	1700V	8.7mΩ	300A	Product	ASC300N1700MED
	ASC300N1700MEDF	1700V	8.7mΩ	300A	Product	ASC300N1700MEDF
MEP --产品覆盖-- V_{DS}: 650~1700V I_D: 30~300A R_{DS(on)} : 3.3~80mΩ	ASC300N650MEP2B	650V	4mΩ	300A	Product	/
	ASC200N650MEP2B	650V	6mΩ	200A	Product	ASC200N650MEP2B
	ASC300N1200MEP2B	1200V	5.3mΩ	300A	Product	ASC300N1200MEP2B
	ASR8N1200MEP2B	1200V	7.5mΩ	210A	Product	ASR8N1200MEP2B
	ASR9N1200MEP2B	1200V	9mΩ	160A	Product	ASR9N1200MEP2B
	ASR12N1200MEP2B	1200V	11.2mΩ	130A	Product	ASR12N1200MEP2B
	ASR15N1200MEP2B	1200V	15mΩ	110A	Product	ASR15N1200MEP2B
	ASR23N1200MEP2B	1200V	22.5mΩ	82A	Product	ASR23N1200MEP2B
	ASC200N1200MEP6B	1200V	8mΩ	200A	Product	ASC200N1200MEP6B
	ASC100N1200MEP4B	1200V	16mΩ	100A	Product	ASC100N1200MEP4B
	ASC100N1200MEP6B	1200V	16mΩ	100A	Product	/
	ASR45N1200MEP6B	1200V	45mΩ	60A	Product	ASR45N1200MEP6B
EP --产品覆盖-- V_{DS}: 650~1200V I_D: 30~200A R_{DS(on)} : 6~80mΩ	ASC200N650EP	650V	6mΩ	200A	Product	ASC200N650EP
	ASC200N1200EP	1200V	8mΩ	200A	Product	ASC200N1200EP
	ASR12N1200EP	1200V	11.2mΩ	132A	Product	ASR12N1200EP
MEK6 --产品覆盖-- V_{DS}: 650~1700V I_D: 100~300A R_{DS(on)} : 2.5~25mΩ	ASC400N1200MEK6B	1200V	4mΩ	400A	Product	ASC400N1200MEK6B
	ASC300N1200MEK6	1200V	5.3mΩ	300A	Product	/
	ASC300N1200MEK6B	1200V	5.3mΩ	300A	Product	ASC300N1200MEK6B
	ASC200N1200MEK6	1200V	8mΩ	200A	Product	ASC200N1200MEK6
	ASC100N1200MEK6	1200V	16mΩ	100A	Product	/
	ASC100N1200MEK6B	1200V	16mΩ	100A	Product	ASC100N1200MEK6B
	ASC200N1700MEK6	1700V	13mΩ	200A	Product	ASC200N1700MEK6
	ASC200N1700MEK6F	1700V	13mΩ	200A	Product	ASC200N1700MEK6F
HPD	ASC800N650HPD	650V	1.5mΩ	800A	Product	ASC800N650HPD
	ASC400N650HPD	650V	3mΩ	400A	Product	/
	ASR1P5N1200HPD	1200V	1.3mΩ	1000A	Product	/

Package	Product SKU	V_{DS}	$R_{DS(on)}@25^{\circ}C$	I_D	Status	Data Sheet
HPD --产品覆盖-- V_{DS} : 650~1700V I_D : 400~1000A $R_{DS(on)}$: 1.3~6.5mΩ	ASC800N1200HPD	1200V	2mΩ	800A	Product	ASC800N1200HPD
	ASC800N1200HPDF	1200V	2mΩ	800A	Product	ASC800N1200HPDF
	ASC800N1200HPDL	1200V	2mΩ	800A	Product	ASC800N1200HPDL
	ASC600N1200HPD	1200V	2.7mΩ	600A	Product	ASC600N1200HPD
	ASC600N1200HPDL	1200V	2.7mΩ	600A	Product	ASC600N1200HPDL
	ASC400N1200HPD	1200V	4mΩ	400A	Product	ASC400N1200HPD
	ASR2P2N1700HPD	1700V	-	1000A	Development	/
	ASC800N1700HPD	1700V	3.25mΩ	800A	Product	ASC800N1700HPD
	ASC800N1700HPDF	1700V	3.3mΩ	800A	Product	ASC800N1700HPDF
	ASC800N1700HPDL	1700V	3.3mΩ	800A	Product	ASC800N1700HPDL
	ASC400N1700HPD	1700V	6.5mΩ	400A	Product	ASC400N1700HPD
	ASC400N1700HPDL	1700V	6.5mΩ	400A	Product	ASC400N1700HPDL
	ASC30N1200SM8	1200V	80mΩ	32A	Product	ASC30N1200SM8
SM8	ASC30N1200SM8	1200V	80mΩ	32A	Product	ASC30N1200SM8

* 注：尾缀“2B”——半桥拓扑版本；“4B”——H桥拓扑版本；“6B”——三相全桥拓扑版本；“H”——含1/2 SBD版本；“L”——长端子版本。

SiC Schottky Diode / 碳化硅肖特基二极管

V _{RRM}	Product SKU	I _F	V _F	Package	Status	Data Sheet
650V	ASC8D650DT2	8A	1.45V	TO247-2	Product	ASC8D650DT2
	ASC30D650DT2	30A	1.35V	TO247-2	Product	ASC30D650DT2
1200V	ASC20D1200DT2	20A	1.45V	TO247-2	Product	ASC20D1200DT2
	ASC30D1200DT2	30A	1.55V	TO247-2	Product	ASC30D1200DT2
	ASC30D1200MT2	30A	1.55V	TO247-2	Product	ASC30D1200MT2
	ASC40D1200DT2	40A	1.45V	TO247-2	Product	/
	ASC100D1200DT2	100A	1.6V	TO247-2	Product	ASC100D1200DT2

SiC Motor Controller / 碳化硅电机控制器

Model Name	Description	Status	Data Sheet
ASTM0705F	Rated power 70kW,peak power 120kW,power density 31kVA/L,weight<6.5kg	Product	/
ASTM1205F	Rated power 120kW,peak power 185kW,power density 53kVA/L,weight<6.5kg	Product	/
ASTM905F	Rated power 90kW,peak power 150kW,power density 45kVA/L,weight<6.5kg	Product	/

SiC Driver Board / 碳化硅模块驱动板

Model Name	Description	Status	Data Sheet
ASDB1-DCS12	Driver board for DCS12 SiC MOSFET module	Product	/
ASDB1-MD3	Driver board for MD3 SiC MOSFET module	Product	/
ASDB1-ME2	Driver board for ME2 SiC MOSFET module	Product	/
ASDB1-HPD	Driver board for HPD SiC MOSFET module	Product	/



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