

# SiC FET / Diode

- ◆ UTC provides next-generation semiconductor for best efficiency.

## □ SiC FET

Part Number	$V_{DS}$	$I_D$	$R_{DS(ON)}$	$V_{GS}$	$V_{GS(TH)}$	Package
<b>USC075R011A</b>	750 V	145 A	11.6 mΩ	15V or 18V (static)	typ. 2.7V	TO-247-4
<b>USC075R025A</b>	750 V	74 A	25 mΩ			TO-247-4
<b>USC075R040A</b>	750 V	53 A	40 mΩ			TO-247-4
<b>USC075R055A</b>	750 V	37 A	54 mΩ			TO-247-4
<b>USC120R014A</b>	1200 V	136 A	14 mΩ			TO-247-4
<b>USC120R015A</b>	1200 V	126 A	15 mΩ			TO-247-4
<b>USC120R020A</b>	1200 V	88 A	20 mΩ			TO-247-4
<b>USC120R030A</b>	1200 V	64 A	30 mΩ			TO-247-4
<b>USC120R040A</b>	1200 V	65 A	39 mΩ			TO-247-4

## □ SiC Diode

Part Number	$V_{RRM}$	$I_{F(AV)}$	Package
<b>UCBD0665SA</b>	650 V	6 A	TO-263 TO-220 TO-220F TO-252
<b>UCBD0865SA</b>	650 V	8 A	TO-263 TO-220 TO-220F TO-252
<b>UCBD1065SA</b>	650 V	10 A	TO-220F
<b>UCBD1565SA</b>	650 V	15 A	TO-247-2
<b>UCBD2065SA</b>	650 V	20 A	TO-247-2
<b>UCBD20120SA</b>	1200 V	20 A	TO-220 TO-220F TO-247-2

*Note: Please refer to UTC catalog for complete portfolio.*

Global Business Group, Unisonic Technologies Co., Ltd

- Tel: +886-2-2999 5013 ext .218
- e-Mail : [oversea@unisonic.com.tw](mailto:oversea@unisonic.com.tw)





# Schottky Rectifier for Photo-voltaic System

- ◆ UTC provides best by-pass diodes for photo-voltaic systems
- ◆ Product options from high-power module to standard semiconductor THD / SMD packages

## □ Schottky / MOS-Schottky rectifier

Part Number	$V_{RRM}$	$I_{F(AV)}$	$I_{FSM}$	$V_F$	Package
<b>FT3045-P150</b>	45 V	30 A	300 A	0.55 V	FT-A / FT-B
<b>FT4045-P180</b>	45 V	40 A	300 A	0.55 V	FT-A / FT-B
<b>FT5045-P150D</b>	45 V	50 A	700 A	0.55 V	FT-A / FT-B
<b>JK3045-P150</b>	45 V	30 A	350 A	0.55 V	JK09E
<b>JK4045-P180</b>	45 V	40 A	400 A	0.55 V	JK09E
<b>JK5045-P150D</b>	45 V	50 A	700 A	0.55 V	JK09E
<b>15SQ045-T102</b>	45 V	15 A	150 A	0.53 V	R-6
<b>15SQ045-T130</b>	45 V	15 A	320 A	0.52 V	R-6
<b>20SQ045-T150</b>	45 V	20 A	400 A	0.52 V	R-6
<b>25SQ045-P158</b>	45 V	25 A	400 A	0.53 V	R-6
<b>30SQ045-P158</b>	45 V	30 A	400 A	0.56 V	R-6
<b>MBR20S45</b>	45 V	20 A	320 A	0.51 V	TO-263
<b>MBR20V45</b>	45 V	20 A	300 A	0.53 V	TO-263
<b>MBR30V45</b>	45 V	30 A	320 A	0.55 V	TO-263
<b>TGBR30U45</b>	45 V	30 A	350 A	0.5 V	TO-263

Note: Please refer to UTC catalog for complete portfolio.

Global Business Group, Unisonic Technologies Co., Ltd

- Tel: +886-2-2999 5013 ext .218
- e-Mail : [oversea@unisonic.com.tw](mailto:oversea@unisonic.com.tw)

