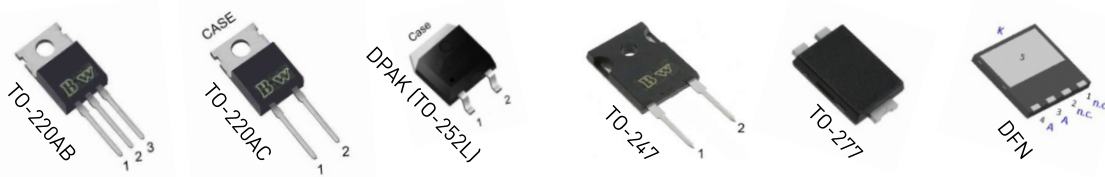


SiC Schottky Diode Portfolio

| Part Number | Configuration | V _{RRM} min (V) | Electrical Characteristics | | | | | Package & Package Suffix (x) | | | | | | | |
|-------------|---------------|--------------------------|----------------------------|-------------------------|--|-------------------------|------------------------|------------------------------|----------|---------------|--------|--------|---------|--------|--------|
| | | | I _F (A) | I _R max (µA) | I _{FSM} max (A) | C _{total} (pF) | V _F max (V) | TO-220AB | TO-220AC | DPAK (TO-252) | TO-247 | TO-277 | DFN 8X8 | DFN5X6 | DFN3X3 |
| | | | T _J =150 °C | T _J =25 °C | t _p =8.3ms, T _J =25 °C | V _R =1V | T _J =25 °C | P | blank | D | W | S | HL | H | HM |
| CBR04P65x | Single | 650 | 4 | 50 | 32 | 150 | 1,7 | | • | • | | | | | |
| CBR06P65x | Single | 650 | 6 | 20 | 48 | 325 | 1,7 | | • | • | | | • | | |
| CBR08P65x | Single | 650 | 8 | 25 | 80 | 419 | 1,7 | | • | • | | | • | | |
| CBR10P65x | Single | 650 | 10 | 25 | 80 | 419 | 1,7 | | • | • | | • | • | | • |
| CBR20P65x | Single | 650 | 20 | - | - | - | - | | • | | | • | | | |
| CBR20P65xC | Dual | 650 | 20 | 25 | 80 | 419 | 1,7 | • | | | | • | | | |
| CBR40P65WC | Dual | 650 | 40 | - | - | - | - | | | | | • | | | |
| CBR10120x | Single | 1200 | 10 | 100 | 66 | 620 | 1,7 | • | • | • | • | • | | | |
| CBR20120x | Single | 1200 | 20 | - | - | - | - | • | • | | • | • | | | |
| CBR20120xC | Dual | 1200 | 20 | 100 | 66 | 620 | 1,7 | • | | | • | | | | |
| CBR30120x | Single | 1200 | 30 | - | - | - | - | | | | • | • | | • | |
| CBR40120WC | Dual | 1200 | 40 | - | - | - | - | | | | • | | | | |

Compliance: all products are Pb-free and Halide free



standard
package
options

Cross References available

Brückewell gives the designer the advantage to be compatible with a lot of vendors using standard packages and pin configurations.

You can find replacements for other widely used manufacturers of SiC diodes.

Ask our team on more details

Ideal for applications like

- Increase efficiency for IGBT applications by reducing switching losses
- High performance fast switching power suppliers and on board chargers in automotive
- High power DC Charger
- Solar inverter application
- Space saving protection circuits
- Upgrade for existing Si based design to increase efficiency and design safety margin

INDUSTRIAL



AUTOMOTIVE

KGD for module integration available