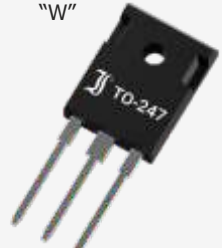
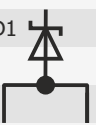
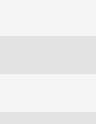
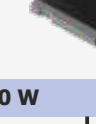
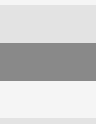


| L x W [mm]             |                                                                                     | 6.6 x 6.0                                                                         |                            | 5.3 x 4.0                                                                         |                   | 10.25 x 9.0                                                                         |             |                       |             |              |              | 10.1 x 8.7                                                                         |                                             | 10.1 x 8.7                                                                         |            | 20.9 x 15.9                                                                        |              | L x W [mm]                                                                        |                        |                                       |                     |     |     |
|------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------|-----------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------|-------------|-----------------------|-------------|--------------|--------------|------------------------------------------------------------------------------------|---------------------------------------------|------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------|------------------------|---------------------------------------|---------------------|-----|-----|
| Power Diodes/Rectifier |       | TO-252AA<br>D-PAK – “D1”                                                          |                            | ~TO-277”B”<br>PowerSMD – “P”                                                      |                   | TO-263AB<br>D²PAK – “D2”                                                            |             |                       |             |              |              | TO-220AC<br>“T”                                                                    |                                             | TO-220AB<br>“T”                                                                    |            | TO-247 / TO-3P<br>“W”                                                              |              |  | Power Diodes/Rectifier |                                       |                     |     |     |
|                        |                                                                                     |  |                            |  |                   |  |             |                       |             |              |              |  |                                             |  |            |  |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     | Pitch 4.6                                                                         |                            | Pitch 1.84                                                                        |                   | Pitch 5.08                                                                          |             |                       |             |              |              | Pitch 5.08                                                                         |                                             | Pitch 2.54   2.54                                                                  |            | Pitch 5.44   5.44                                                                  |              |                                                                                   |                        |                                       |                     |     |     |
|                        | I <sub>FAV</sub>                                                                    | 10 A                                                                              | 5 A                        | 8 A                                                                               | 10 A              | 15 A                                                                                | 10 A        | 18/25 A               | 15/40 A     | 2 x 10 A     | 2 x 15 A     | 2 x 15 A                                                                           | 2 x 20 A                                    | 10 A                                                                               | 18 A       | 2 x 5 A                                                                            | 2 x 10 A     | 2 x 15 A                                                                          | 30...60 A              | 2 x 10...30 A                         | I <sub>FAV</sub>    |     |     |
| Schottky Barrier       |    | V <sub>RRM</sub> 40                                                               | SK1040D1                   |                                                                                   |                   |                                                                                     | SK1040D2-3G | SK1840D2-3G           |             | SK2040CD2-3G | SK3040CD2-3G | 30CTQ040S                                                                          |                                             | SBT1040-3G                                                                         | SBT1840-3G | SBCT1040                                                                           | SBCT2040     | 30CTQ040                                                                          |                        |                                       | 40 V <sub>RRM</sub> |     |     |
|                        |                                                                                     | 45                                                                                | SK1045D1                   |                                                                                   |                   | PPS1045-3G                                                                          | PPS1545-3G  | SK1045D2-3G           | SK1845D2-3G | SK1545YD2-3G | SK2045CD2-3G | SK3045CD2-3G                                                                       | 30CTQ045S                                   |                                                                                    | SBT1045-3G | SBT1845-3G                                                                         | SBCT1045     | SBCT2045                                                                          | 30CTQ045               | SI..C.. =<br>Silicon Carbide Schottky |                     | 45  |     |
|                        |                                                                                     | 50                                                                                | SK1050D1                   |                                                                                   |                   |                                                                                     | PPS1050     | PPS1550               |             |              |              | SK2050CD2                                                                          | SK3050CD2                                   | SK4050CD2-3G                                                                       | SBT1050    |                                                                                    | SBCT1050     | SBCT2050                                                                          |                        |                                       |                     | 50  |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    | SK3060CD2                                   | SK4060CD2-3G                                                                       | SBT1060    |                                                                                    | SBCT1060     | SBCT2060                                                                          |                        |                                       |                     | 60  |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              | SK30100CD2-3G                                                                      |                                             |                                                                                    | SBT10100   |                                                                                    | SBCT10100-3G | SBCT20100                                                                         | SBCT30100              |                                       |                     | 100 |     |
|                        |                                                                                     | 60                                                                                | SK1060D1                   |                                                                                   | PPS560-3G         |                                                                                     | PPS1060-3G  | PPL2060               |             |              | SK1060D2     |                                                                                    | -3G =                                       | SK2060CD2                                                                          |            |                                                                                    |              |                                                                                   |                        |                                       | SBCW4060            |     | 150 |
|                        |                                                                                     | 80                                                                                | SK1080D1                   |                                                                                   |                   |                                                                                     |             |                       |             |              | SK1080D2     |                                                                                    | 3 <sup>rd</sup> Gen Schottky                | SK2080CD2                                                                          |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     | 150 |
|                        |                                                                                     | 100                                                                               | SK10100D1                  |                                                                                   | PPS5100           |                                                                                     | PPH810      | PH10100 <sup>1)</sup> |             |              | SK10100D2    |                                                                                    | Reduced V <sub>F</sub> and I <sub>R</sub> ! | SK20100CD2                                                                         |            | 2 x 10 A                                                                           |              |                                                                                   |                        |                                       |                     |     | 200 |
|                        |                                                                                     |                                                                                   | 15 A                       |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            | SK15100D1                                                                         |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
| Standard Recovery      |  | 150                                                                               |                            |                                                                                   | PPS5150   PPL5150 |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     | 650                                                                               | SI04...06C065D1 *          |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   | SI08...10C065D1 *          |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   | SI20C065D1 * <sup>QR</sup> |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     | [V] 1200                                                                          |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
| Fast Recovery          |  | V <sub>RRM</sub> 50                                                               |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     | 100                                                                               |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     | 200                                                                               |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     | 400                                                                               |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     | 600                                                                               |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     | [V] 600                                                                           |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
| Protectifiers®         |  |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
| TVS                    |  |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
| TVS                    |  |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
| TVS                    |  |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |
|                        |                                                                                     |                                                                                   |                            |                                                                                   |                   |                                                                                     |             |                       |             |              |              |                                                                                    |                                             |                                                                                    |            |                                                                                    |              |                                                                                   |                        |                                       |                     |     |     |

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4. Obwohl Diotec die Qualität und die Zuverlässigkeit seiner Produkte beständig erhöht, müssen Kunden ausreichende Sicherheitsvorkehrungen in ihren Designs vornehmen – wie Redundanz, Feuereindämmung und Ausfallschutz – damit Personenschäden, Feuer oder Umweltschädigung verhindert werden können. Diotec schließt ausdrücklich jede implizierte Garantie oder Verbindlichkeit aus, welche die Eignung der Produkte zu irgendwelchen anderen als Standardanwendungen betrifft.

5. Alle Informationen, die hier beschrieben oder enthalten sind, können jederzeit ohne jede Benachrichtigung geändert werden. Vor Einsatz eines Diotec Produktes in irgendeiner Anwendung sind bei Diotec die neuesten Informationen einzuholen.

6. Alle Informationen, die hier beschrieben oder enthalten sind, sollen dem Kunden nur ermöglichen, Diotec Produkte zu bestellen. Die Informationen dürfen zu keinem anderen Zweck verwendet werden.

7. Sollte ein hier beschriebenes oder enthaltenes Produkt unter Beschränkungen fallen, die durch das deutsche Bundesamt für Wirtschaft und Ausfuhrkontrolle geregelt werden, darf dieses Produkt in Übereinstimmung mit den gültigen Gesetzen nicht ohne Exportgenehmigung vom deutschen Bundesministerium für Wirtschaft und Klimaschutz exportiert werden.

1 Refer to <http://diotec.com/> "Products/Product Changes" respectively "News/Datasheets"  
Siehe <http://diotec.com/> „Produkte/Produktänderungen“ bzw. „News/Datenblätter“

2 Refer data book or <http://diotec.com/> "Company" – Siehe Datenbuch oder <http://diotec.com/> „Unternehmen“

3 Refer to <http://diotec.com/> "Products/Information/Qualification/Commercial Grade and AEC-Q101"  
Siehe <http://diotec.com/> „Produkte/Informationen/Qualifizierung/Standard und AEC-Q101“