# Rectifier Diode

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| --- | --- | --- | --- | --- | --- |
| Rectifier Diode | Reverse Voltage | Forward Current | Cost | Estimated Loss W | Tjunction (C) |
| S1G | 400 V | 1 A | 6\*0.22$=1.32$ | 0.17 | 40 |
| KBP204GTB | 400 V | 2 A | 3\*0.135$=0.4$ | 0.16\*3=0.48 | 36 |
| DB154TB | 400 | 1.5 A | 3\*0.1$=0.3$ | 0.17\*3=0.51 | 45.4 |

<https://www.digikey.com/en/products/detail/on-semiconductor/S1G/965464>

<https://www.digikey.com/en/products/detail/smc-diode-solutions/KBP204GTB/7244632>

<https://www.digikey.com/en/products/detail/smc-diode-solutions/DB154TB/7244623>

# Rectifier Capacitor

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Rectifier Capacitor | Capacitance (ɥF) | Voltage Rating (V) | Cost ($) | Diameter (mm) | Rated Ripple Current (mA) |
| MAL219856569E3-ND | 56 | 400 | 3.91 | 22 | 720 |
| 450VXS390MEFC30X50 | 390 | 450 | 2.07 | 30 | 2110 |
| 400HXG470MEFC30X50-ND | 470 | 400 | 2.67 | 30 | 3040 |
| 400USG470MEFC25X50 | 470 | 400 | 2.69 | 25 | 2390 |

<https://www.digikey.com/en/products/detail/vishay-beyschlag-draloric-bc-components/MAL219856569E3/5629746>

<https://www.digikey.com/en/products/detail/rubycon/400USG470MEFC25X50/6184448>