

Low-Cost 1200-V SiC MOSFET Offers 50-mΩ On-Resistance

[Solitron Devices'](#) SD11720 is a 1200-V silicon carbide (SiC), low $R_{DS(ON)}$ MOSFET. Complimenting a strong offering of high-voltage MOSFETs for high reliability/military applications Solitron is expanding its SiC product offering for demanding commercial and industrial applications. Packaged in a TO-247-3, the SD11720 is well suited for EV, renewable energy, motor drive, induction heating and high-voltage power supply applications.

The SD11720 offers 58 A of continuous drain current with an $R_{DS(ON)}$ of 50 mΩ. The SD11720 also provides ultra-fast switching and low losses, allowing systems to provide high power density, reduced size, weight and improved efficiency. SiC also provides minimal variation versus temperature with an operating temperature of -40°C to 175°C

Samples are available from stock. The SD11720 is priced at \$14.95 each in quantities of 100 and \$11.95 each in quantities of 1000. For more information, see the [datasheet](#).