

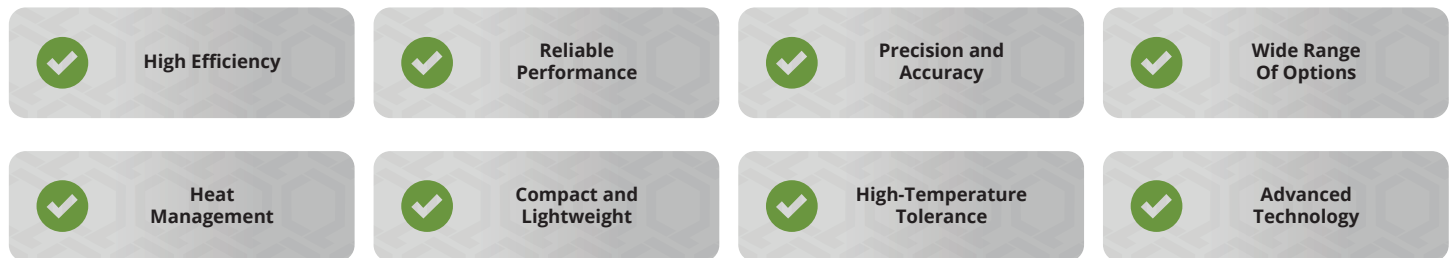
Silicon Carbide for Medical

SemiQ provides high-efficiency Silicon Carbide (SiC) components, including diodes, modules, and MOSFETs, for use in the medical industry. These products enable cutting-edge technologies that require high precision and efficiency. Medical devices, such as MRI systems, are complex medical imaging devices that use strong magnetic fields and radio waves to generate detailed images of the internal structures of the human body.

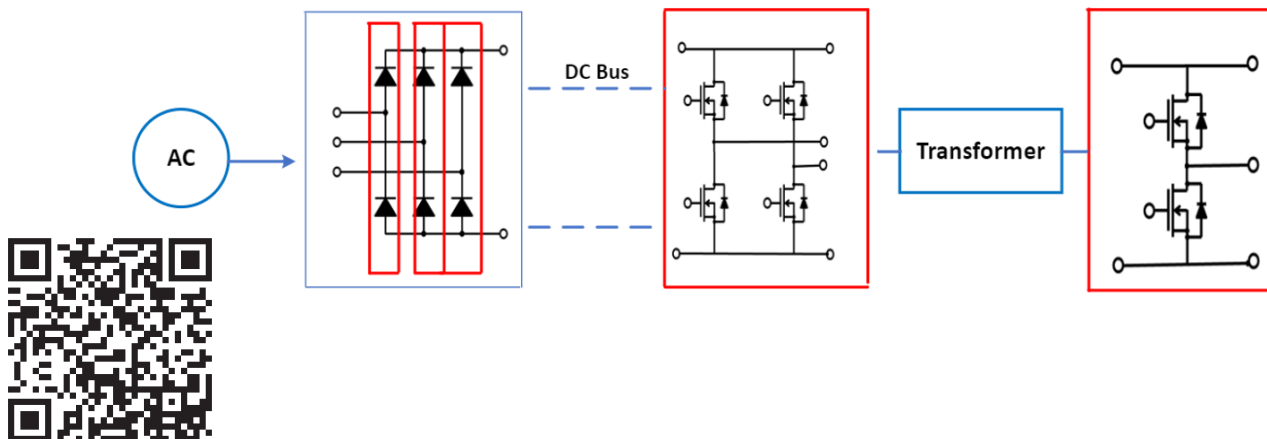
These systems are primarily powered by specialised power electronics, which are carefully designed to avoid electromagnetic interference (EMI) that could disrupt the MRI's sensitive imaging process.

SemiQ SiC MOSFETs offer advantages in various power electronics applications for Medical devices, including high efficiency, high switching frequencies, and high-temperature operation.

Benefits of SemiQ QSiC™ in Medical Applications

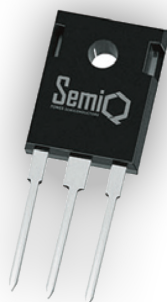


Typical Medical Schematic



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SemiQ specializes in providing high-quality, efficient standard, and custom Silicon Carbide (SiC) Power Semiconductors for high-voltage applications. Our product portfolio includes MOSFETs and diodes, available in discrete, module and bare die that combine high-performance with industry-leading reliability.