

世界初*SiC MOSFET内蔵 AC/DC

The World First AC/DC with Built-in SiC MOSFET

*May, 2019 ROHM survey

NEW



1,700V高耐圧 AC/DCコンバータIC 1,700V AC/DC Converter IC

BM2SCQ12xT-LBZ

Features

■ 世界初*1,700V/4A SiC MOSFET内蔵 高効率、小型化を実現

The world's first AC/DC controller with built-in 1,700V/4A SiC MOSFET achieves high efficiency in a compact form factor

■ SiC MOSFETの性能を引出し、劇的な省電力化を実現

Maximizes SiC MOSFET performance to achieve dramatically improved power savings

■ 工数・リスクを減らすとともに、保護機能も搭載し、 劇的な高信頼化を実現

Reduces man-hours and risk while multiple integrated protection functions ensure superior reliability

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Applications

■ インバータ

Inverters

■ サーボ

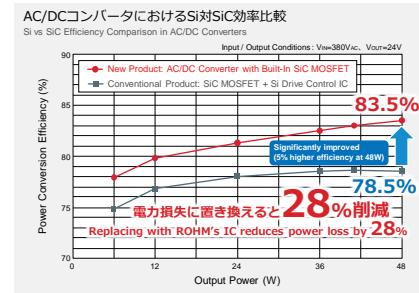
Servos

■ 他、産業機器電源

Power supplies for industrial equipment and more

SiC MOSFET駆動による高効率化

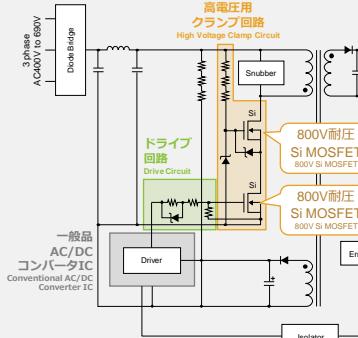
SiC MOSFET Drive Improves Efficiency



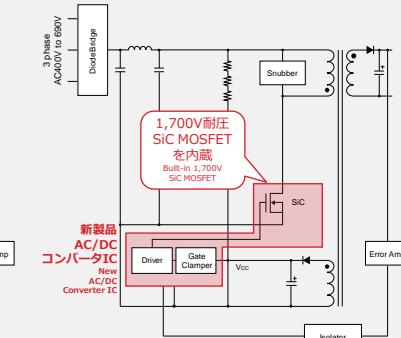
産業機器の小型化を実現

Contributes to Simpler, Smaller Designs

Conventional Solution



BM2SCQ12xT-LBZ Solution



1パッケージ化
Monolithic design

部品点数を大幅に削減
故障リスク低減&保護機能内蔵で、
高信頼化を実現

Requires fewer parts and reduces the risk
of failure while multiple built-in protection
functions ensure greater reliability

