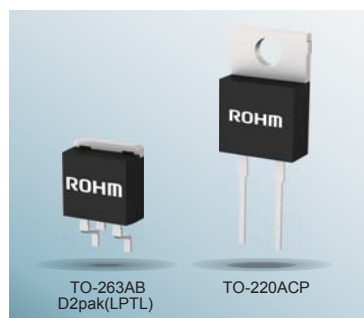


3rd Generation SiC Schottky Barrier Diodes

SCS3xxA Series



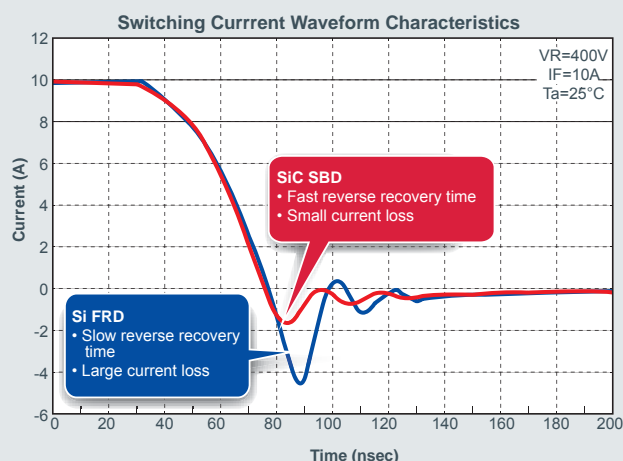
Low VF high surge resistance SiC SBDs ideal for PFC circuits in power supplies

Product Outline

Utilizing SiC Schottky barrier diodes (SBDs) in place of conventional silicon FRDs (Fast Recovery Diodes) in PFC circuits significantly improves power supply efficiency during continuous mode operation. ROHM has expanded its SiC SBD lineup by offering the 3rd generation SCS3xxA series that delivers high surge current capability while maintaining the industry-low VF of ROHM's 2nd generation SiC SBDs, making them ideal for power supply PFC applications.

Low-loss SiC SBD provides high efficiency

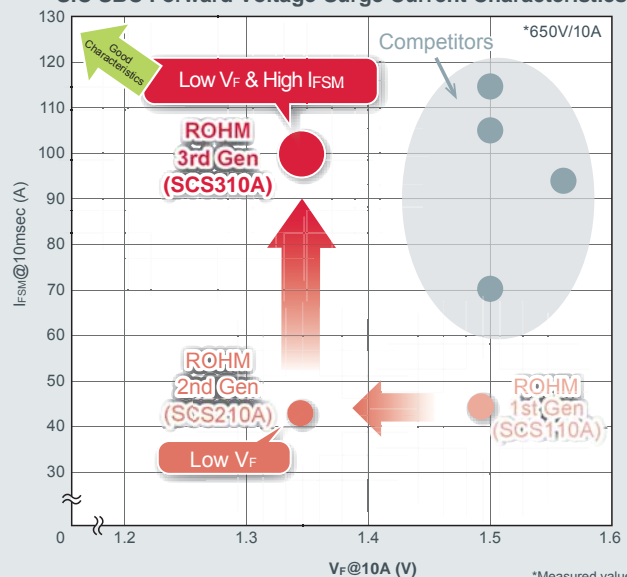
Compared to silicon FRDs, SiC SBDs feature lower reverse recovery loss, improving device efficiency



High surge resistance ideal for PFC circuits

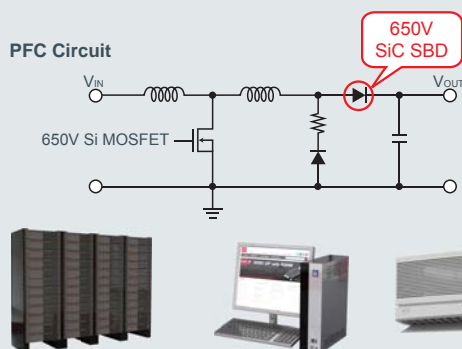
Delivers high surge current capability along with the industry's lowest VF

SiC SBC Forward Voltage-Surge Current Characteristics



Applications

Optimized for PFC circuits in power supplies for PCs, servers, ACs, and more



Lineup (VRM= 650V)

Package	Forward Current (If)				
	2A	4A	6A	8A	10A
TO-220ACP	☆SCS302AP	☆SCS304AP	SCS306AP	SCS308AP	SCS310AP
TO-263AB D2pak(LTPL)	☆SCS302AJ	☆SCS304AJ	☆SCS306AJ	☆SCS308AJ	☆SCS310AJ

☆ Under development

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The content specified in this document is correct as of 25th April, 2016.