

同时实现低 V_F 特性和高 I_{FSM} 特性

High I_{FSM} with Industry-Leading Low Forward Voltage

NEW

ROHM
SEMICONDUCTOR

第3代 SiC肖特基势垒二极管

3rd Generation SiC Schottky Barrier Diodes

ROHM
GLOBAL TOP BRAND
SiC

SCS3 Series

特点

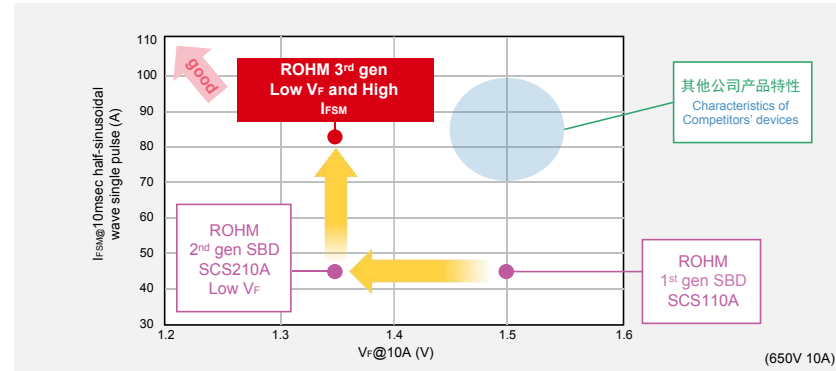
- 高 I_{FSM} 规格, 实现低 V_F
High I_{FSM} with low forward voltage
($V_F = 1.35V$, $V_R=650V$ $I_F=I_{nominal}$)
- 低漏电流特性
Low leakage current
- 快速恢复特性
High speed reverse recovery

应用

- 太阳能功率调节器
PV power conditioner
- 电源PFC
PFC circuit in switching power supplies
- 充电桩
EV Charger

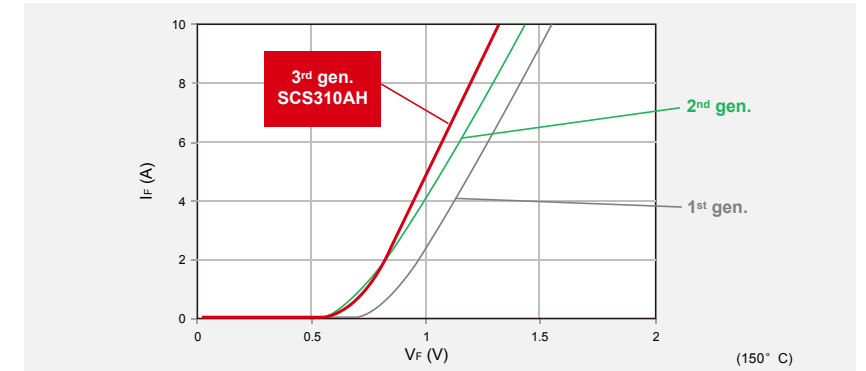
低 V_F 、高抗浪涌电流特性

Low V_F and High Surge Current Robustness



通过产品升级, 实现更低 V_F

New Generation Enables Further V_F Reduction at High Temperature



产品阵容

Lineup

Reverse Voltage V_{RM}	Forward Current I_F								Package
	2A	4A	6A	8A	10A	12A	15A	20A	
650V	SCS302AH	SCS304AH	SCS306AH	SCS308AH	SCS310AH	SCS312AH	SCS315AH	SCS320AH	TO-220ACP
	-	SCS304AM	SCS306AM	SCS308AM	SCS310AM	SCS312AM	SCS315AM	SCS320AM	TO-220FM
	SCS302AJ	SCS304AJ	SCS306AJ	SCS308AJ	SCS310AJ	SCS312AJ	SCS315AJ	SCS320AJ	TO-263AB (LPTL)