

# 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

3<sup>rd</sup> Generation SiC Schottky Barrier Diodes



### SCS3 Series

#### 特点

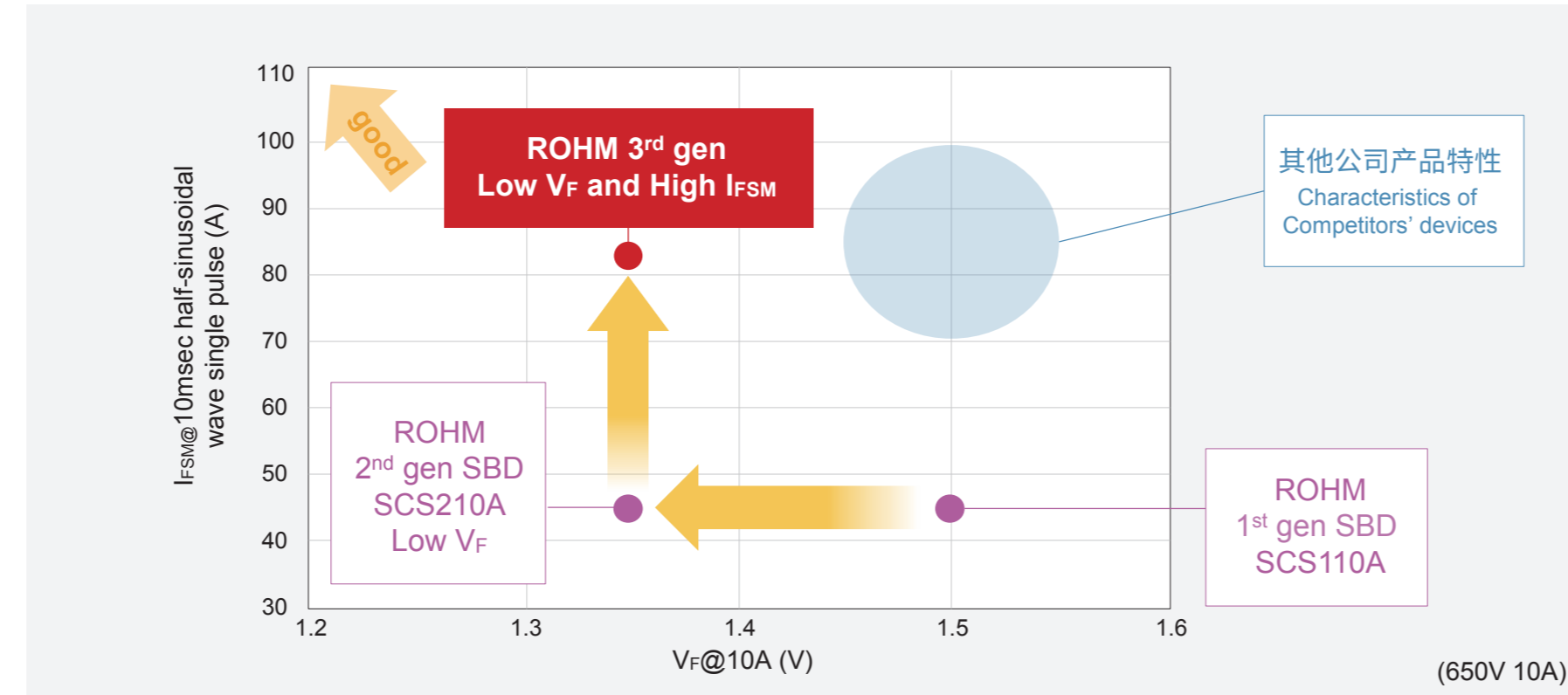
- **高 $I_{FSM}$ 规格，实现低 $V_F$**   
High  $I_{FSM}$  with low forward voltage  
( $V_F = 1.35V$ ,  $V_R=650V$   $I_F=I_{nominal}$ )
- **低漏电流特性**  
Low leakage current
- **快速恢复特性**  
High speed reverse recovery

#### 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

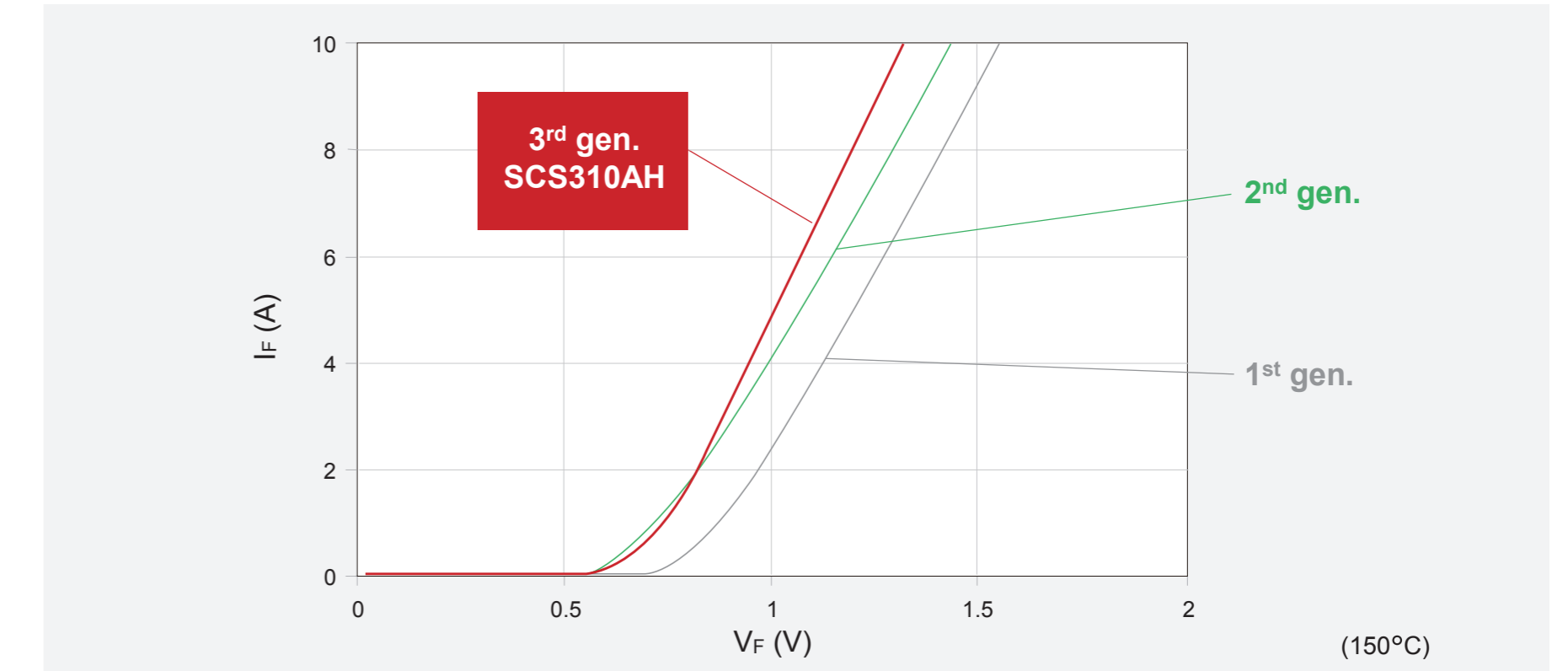
#### 低 $V_F$ 、高抗浪涌电流特性

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)