

芯片的效率更高， V_F 更低

Improved Chip Efficiency Minimizes V_F

NEW

ROHM
SEMICONDUCTOR

低 V_F 、高可靠性肖特基势垒二极管

Low V_F High Reliability Schottky Barrier Diodes

RBR Series

特点

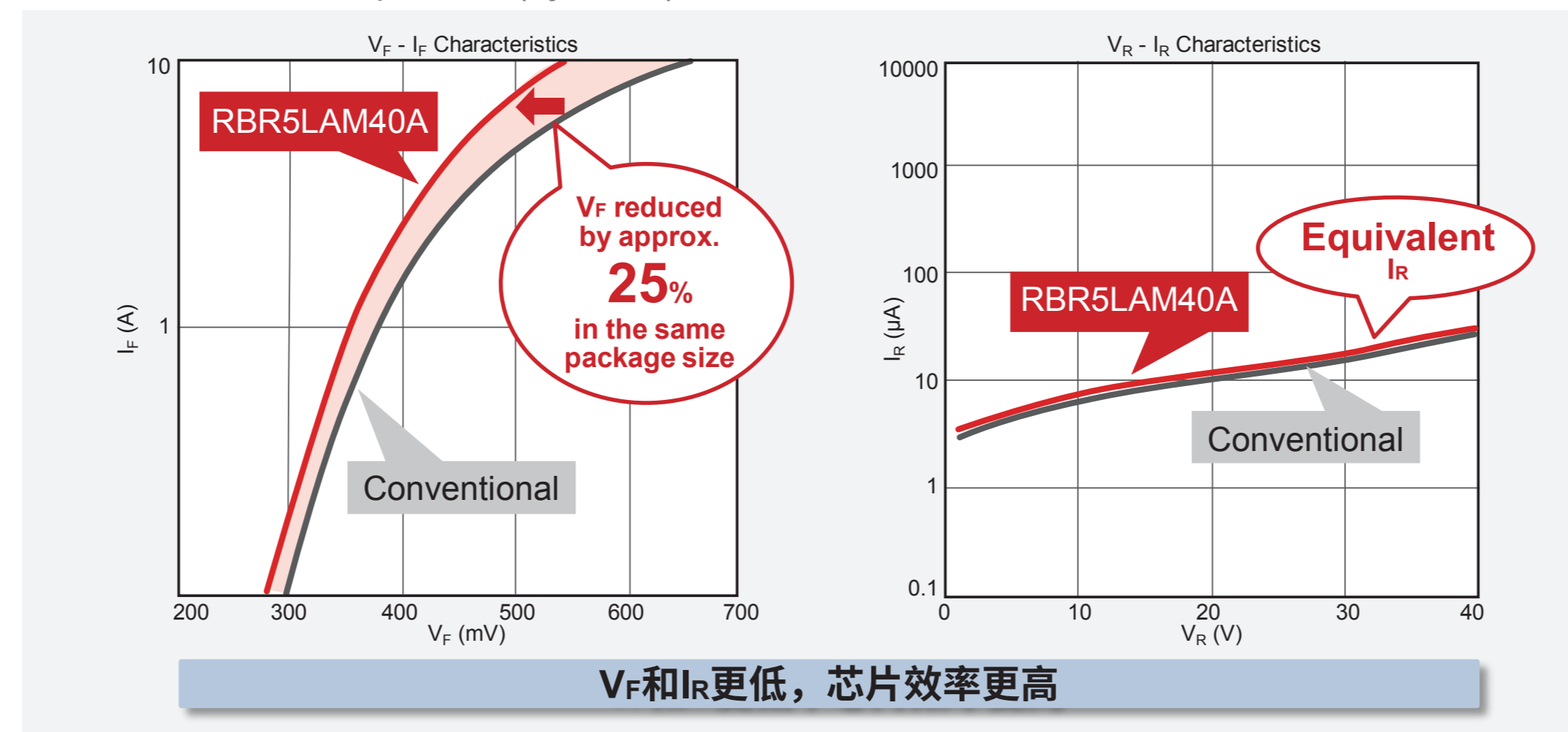
- **引进新生产线，使芯片的效率更高**
Newly developed manufacturing process improves chip efficiency
- **更低 V_F ，实现封装的小型化**
Lower V_F reduced package size
- **产品阵容涵盖中功率的功率封装**
Broad lineup includes medium and high power package types
- **符合AEC-Q101标准（车载适用品）**
AEC-Q101 qualified (Automotive grade products)
※有关对应的车载产品，请向我司销售进行咨询
Please inquire regarding automotive grade products

应用

- **车载领域**
Automotive
- **电源（二次整流电路）**
Power Supplies (Secondary Rectification Circuits)
- **DC/DC转换器**
DC/DC Converters

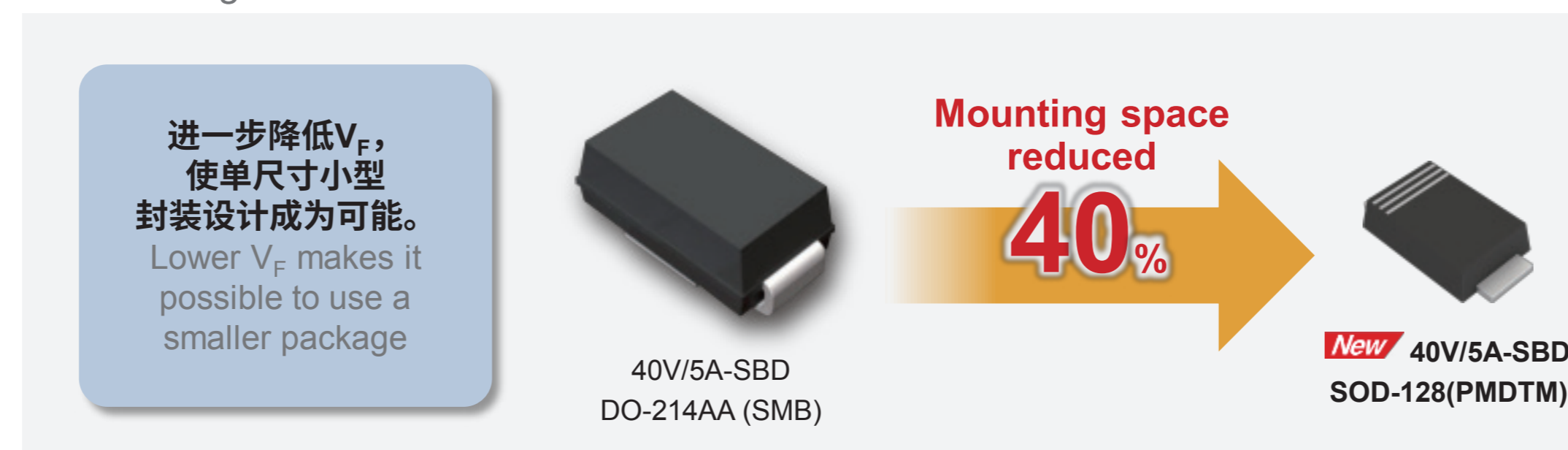
与传统产品的静态特性比较 ($T_j=25^\circ\text{C}$)

Characteristics Comparison ($T_j=25^\circ\text{C}$)



小型化

Down Sizing



产品阵容

Lineup

中功率产品群 Medium Power Type		V_{RM}	I_o 1A	2A	3A	5A
PMDE MP : Oct. 2019 2.5×1.3×0.95mm	30V	●	●	●	●	★
	40V	●	●	●	●	★
	60V	●	●	●	●	★
SOD-123FL (PMDU) 3.5×1.6×0.80mm	30V	●	●	●	●	●
	40V	●	●	●	●	●
	60V	●	●	●	●	●
SOD-128 (PMDTM) 4.7×2.5×0.95mm	30V	●	●	●	●	●
	40V	●	●	●	●	●
	60V	●	●	●	●	●

● : 量产中 ★ : 开发中

功率产品群 Power Type		V_{RM}	I_o 10A	15A	20A	30A	40A
TO-252 (DPAK)	30V	●	●	●	●	●	●
	40V	●	●	●	●	●	●
	60V	●	●	●	●	●	●
TO-263S (D ² PAK)	30V	●	●	●	●	●	●
	40V	●	●	●	●	●	●
	60V	●	●	●	●	●	●
TO-220FN	30V	●	●	●	●	●	★
	40V	●	●	●	●	●	★
	60V	●	●	●	●	●	★

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