

实现业界顶级的性能

Class-leading performance

Under Development



车载用 40V MOSFET系列

Automotive-Grade 40V MOSFETs

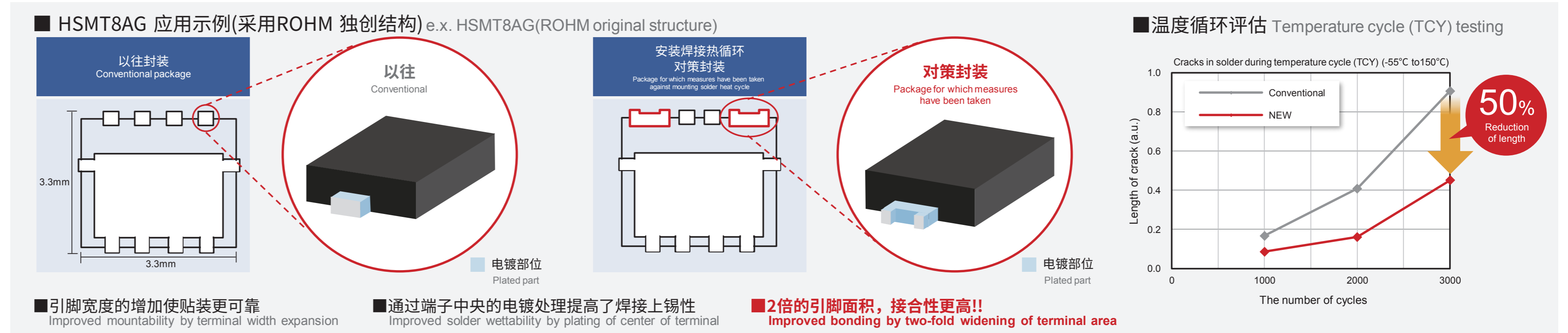
AGxx Series

特点

- 业界顶级的低 R_{ON} 电阻
Industry's lowest R_{ON} .
- 符合AEC-Q101标准 / 全数雪崩测量 / $T_c=175^\circ\text{C}$ 保证
AEC-Q101 qualified / 100% avalanche tested / $T_c=175^\circ\text{C}$ Max.
- 支持润湿性侧翼(HSMT8AG, DFN2020)
Wettable flank plated. (HSMT8AG, DFN2020)

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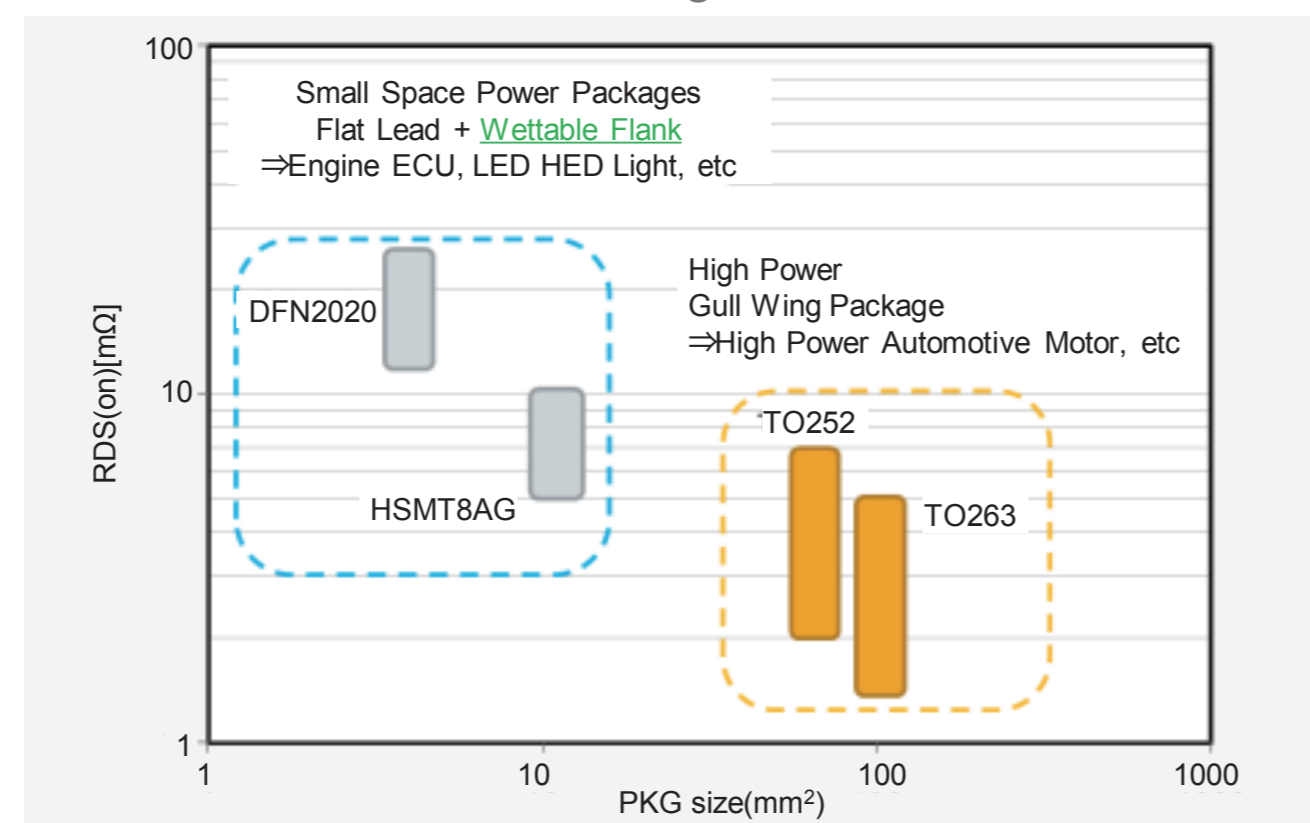


应用

- 鼓风机电机
Blower motors
- 其他各种车载电机
Various other vehicle motors
- 变速器
Transmission
- 汽车LED前灯
LED Head Light
- 油泵、水泵
Oil / Water pumps
- 引擎ECU喷射系统
Engine ECU Injection
- 高级驾驶辅助技术(ADAS)
Advanced driver assistance systems

发展趋势

Process Trend of Low Voltage MOSFET



产品阵容

Lineup

Part No.	I _b (A)	R _{ON} Typ. (mΩ)		Q _g (nC)	C _{iss} (pF)	Package
		V _{GS} =10V	V _{GS} =4.5V	V _{GS} =10V	V _{GS} =20V	
AG080DGF4	9	15	19	11.6	650	DFN2020
AG009DQG3	30	6.6	8.0	32	1790	HSMT8AG
AG008DGD3	80	6.6	8.2	31	1710	TO-252
AG026DGD3	80	5.1	6.2	43	2380	
AG004DGD3	80	2.8	3.2	105	5800	
AG007DGJ1	80	4.6	6.2	43	2380	TO-263
AG023DGJ1	80	2.8	3.2	105	5800	
AG001DGJ1	120	1.61	1.80	260	14400	