

产品简介

采用SuperSO8封装的OptiMOS™ 5 175°C 提高温度额定值以增强稳健性

采用SuperSO8封装的OptiMOS™ 5将最新技术与改善的温度性能集于一体。这种新组合可以提供更高的功率密度以及更好的稳健性。

与额定值较低的器件相比，175°C T_{J_MAX} 功能可在更高的工作结温下提供更大的功率，或在相同的工作结温下提供更长的寿命。此外，该器件在安全操作区域(SOA)的性能提高了20%。

这种新的封装特性是电信，电机驱动器和服务器等应用的理想选择。

关键性能

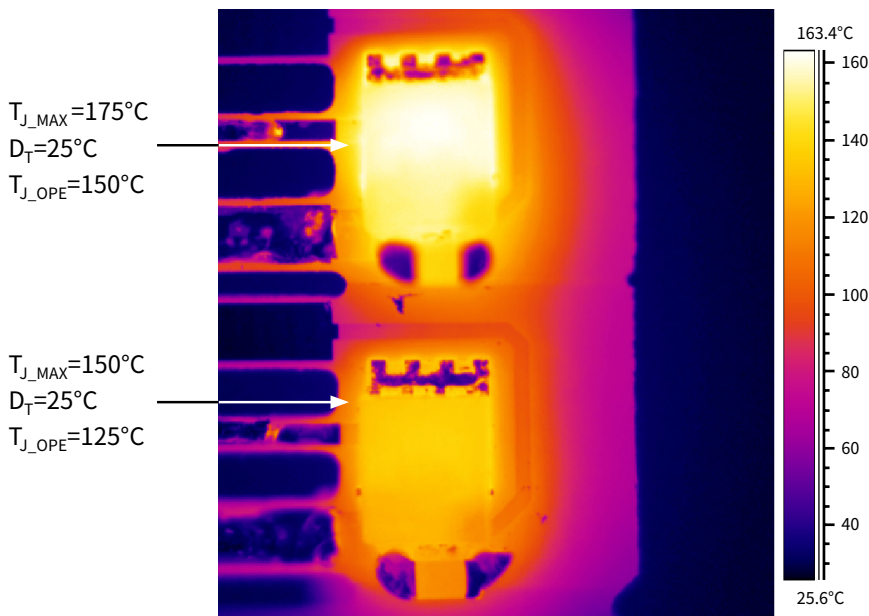
- › 低导通电阻($R_{DS(on)}$)
- › 针对同步整流进行了优化
- › 增强的175°C功能
- › 采用SuperSO8封装

主要优点

- › 使用寿命长
- › 最高的效率和功率密度
- › 最高系统可靠性
- › 热稳健性

目标应用

- › 电机驱动器
- › 服务器
- › 电信

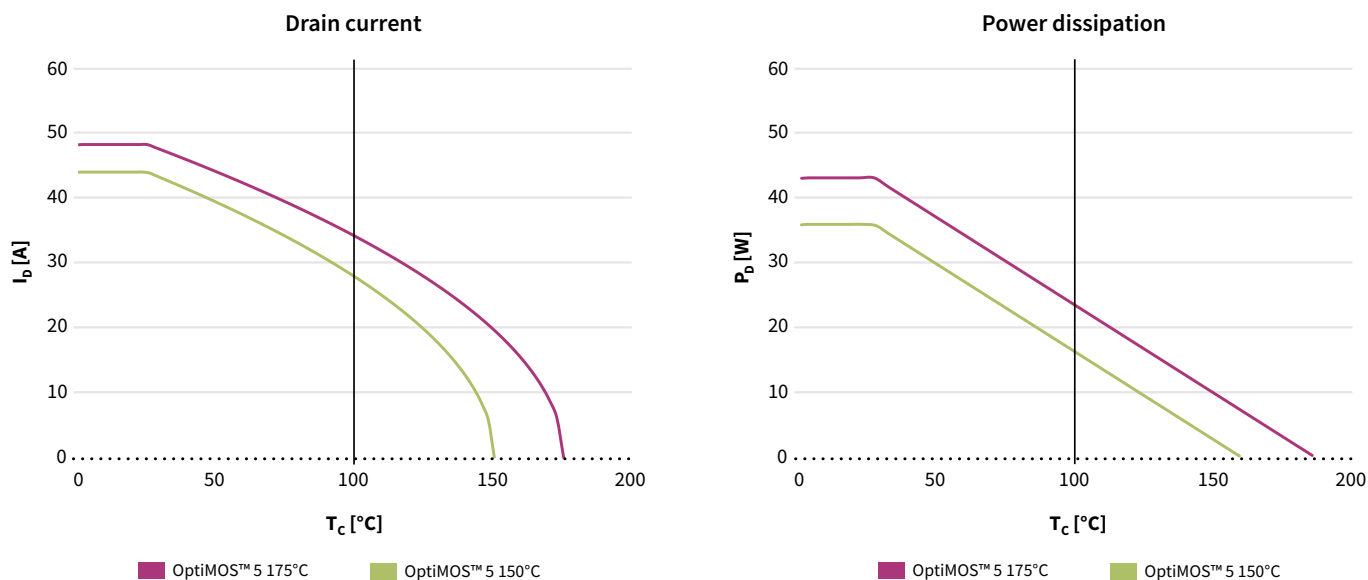


采用SuperSO8封装的OptiMOS™ 5 175°C

提高温度额定值以增强稳健性

与标准SuperSO8相比，OptiMOS™ 5 175°C在漏极电流或功耗方面拥有高达30%的改善。

首批提供这种增强温度额定值的产品有OptiMOS™ 5 30 V, 40 V和60 V。



产品组合 - 采用SuperSO8封装的OptiMOS™ 5

电压 [V]	零件编号	R _{DS(on)} max. [mΩ]
30 V	BSC011N03LST	1.1
40 V	BSC010N04LST	1.0
	BSC014N04LST	1.4
	BSC019N04LST	1.9
	BSC014N06NST	1.4
60 V	BSC016N06NST	1.6
	BSC019N06NS	1.9
	BSC028N06NST	2.8
	BSC097N06NST	9.7
	BSC037N08NS5T	3.7
80 V		

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