



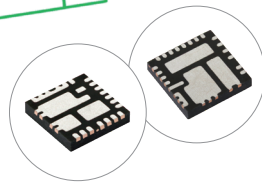
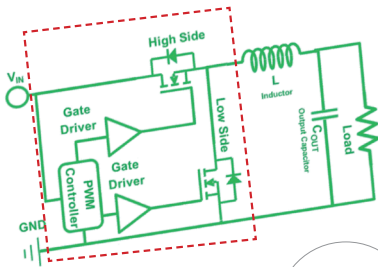
The DNA of tech.™

高度集成式POL解决方案

microBUCK® 和microBRICK® DC/DC稳压器

小型 · 简便 · 高效

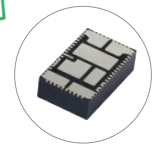
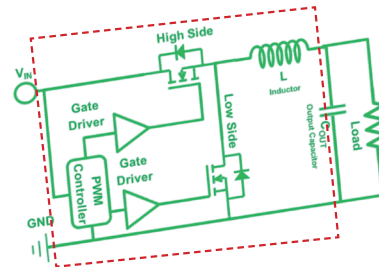
在2 A~40 A器件中选择适用降压转换器



microBUCK®

1 POL稳压器 + 2 MOSFET

SiC43x / SiC45x / SiC46x / SiC47x Series
MLP 4 x 4 / 5 x 5 / 5 x 7



microBRICK®

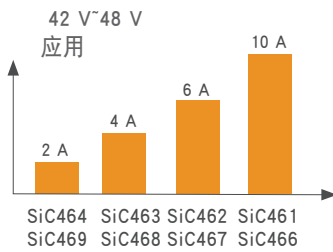
1 POL稳压器 + 2 MOSFET + 1 电感器

Si93x / SiC96x / SiC95x Series
MLP 10 x 6

强大的多合一系列

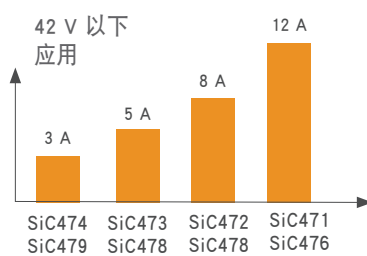
Vishay高度集成式microBUCK® 和microBRICK® POL解决方案提高效率, 同时降低成本。每个系列拥有大量通用引脚结构的高密度器件产品组合, 便于设计人员扩展解决方案优化性价比。

可扩展 解决方案

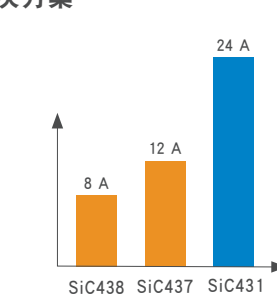


SiC46x : $V_{IN} = 4.5\text{ V to }60\text{ V}$

PowerPAK® 5 x 5 封装

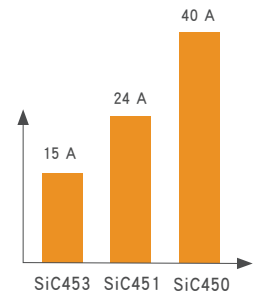


SiC47x : $V_{IN} = 4.5\text{ V to }55\text{ V}$



$V_{IN} = 3\text{ V to }28\text{ V}$ $V_{IN} = 3\text{ V to }24\text{ V}$

PowerPAK® 4 x 4 封装



SiC45x : $V_{IN} = 4.5\text{ V to }20\text{ V}$

PowerPAK® 5 x 7 封装

坚固可靠



PowerCAD design tool

使用我们的PowerCAD在线仿真工具设计应用



The DNA of tech.™

高度集成式POL解决方案

microBUCK® 和microBRICK® DC/DC稳压器

microBUCK®

系列	产品编号	输入电压 (V)	输出电压 (V)	最大电流	补偿		功能			保护				封装
					内部	外部	PGOOD	SYNC	PMBUS	VCC-UVLO	OCP	OVP/UVLP	OTP	
SiC43x	SiC438	3 V to 28 V	0.6 V to 20 V	8 A	✓	-	✓	-	-	✓	✓	✓	✓	4 mm x 4 mm
	SiC437			12 A	✓	-	✓	-	-	✓	✓	✓	✓	
	SiC431			24 A	✓	-	✓	-	-	✓	✓	✓	✓	
SiC45x	SiC453	4.5 V to 20 V	0.3 V to 12 V	15 A	✓	-	✓	✓	✓	✓	✓	✓	5 mm x 7 mm	
	SiC451			25 A	✓	-	✓	✓	✓	✓	✓	✓		
	SiC450			40 A	✓	-	✓	✓	✓	✓	✓	✓		✓
SiC44x	SiC448	4.5 V to 45 V	0.8 V to 41 V	6 A	-	✓	✓	-	-	✓	✓	✓	5 mm x 5 mm	
SiC46x	SiC469	4.5 V to 60 V	0.8 V to 15 V	2 A	✓	-	✓	-	-	✓	✓	✓		✓
	SiC468			4 A	✓	-	✓	-	-	✓	✓	✓		✓
	SiC467			6 A	✓	-	✓	-	-	✓	✓	✓		✓
	SiC466			10 A	✓	-	✓	-	-	✓	✓	✓		✓
	SiC464		0.8 V to 55 V	2 A	-	✓	✓	-	-	✓	✓	✓		✓
	SiC463			4 A	-	✓	✓	-	-	✓	✓	✓		✓
	SiC462			6 A	-	✓	✓	-	-	✓	✓	✓		✓
	SiC461			10 A	-	✓	✓	-	-	✓	✓	✓		✓
SiC47x	SiC479	4.5 V to 55 V	0.8 V to 15 V	3 A	✓	-	✓	-	-	✓	✓	✓		✓
	SiC478			5 A	✓	-	✓	-	-	✓	✓	✓		✓
	SiC477			8 A	✓	-	✓	-	-	✓	✓	✓		✓
	SiC476			12 A	✓	-	✓	-	-	✓	✓	✓		✓
	SiC474		0.8 V to 50 V	3 A	-	✓	✓	-	-	✓	✓	✓		✓
	SiC473			5 A	-	✓	✓	-	-	✓	✓	✓		✓
	SiC472			8 A	-	✓	✓	-	-	✓	✓	✓	✓	
	SiC471			12 A	-	✓	✓	-	-	✓	✓	✓	✓	

microBRICK®

系列	产品编号	输入电压 (V)	输出电压 (V)	最大电流	补偿		功能			保护				封装
					内部	外部	PGOOD	SYNC	PMBUS	VCC-UVLO	OCP	OVP/UVLP	OTP	
SiC9xx	SiC931	4.5 V to 18 V	0.6 V to 5 V	20 A	✓		✓			✓	✓	✓	✓	10 mm x 6 mm x 3 mm
	SiC951	4.5 V to 20 V	0.6 V to 12 V	20 A	✓		✓	✓	✓	✓	✓	✓	✓	
	SiC967	4.5 V to 60 V	0.8 V to 15 V	6 A	✓		✓			✓	✓	✓	✓	