



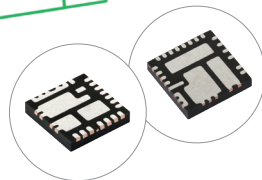
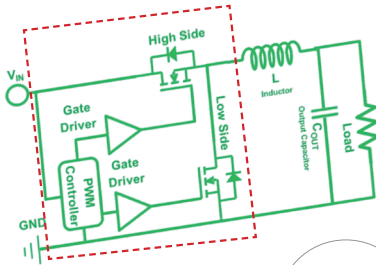
The DNA of tech.™

Highly Integrated POL Solutions

microBUCK® and microBRICK® DC/DC Regulators

SMALL ▪ EASY ▪ EFFICIENT

Choose the Right Buck Converter From 2 A to 40 A

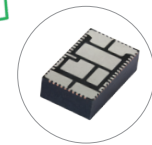
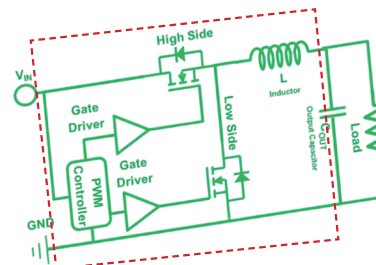


microBUCK®

1 POL regulator + 2 MOSFETs

SiC43x / SiC45x / SiC46x / SiC47x Series

MLP 4 x 4 / 5 x 5 / 5 x 7



microBRICK®

1 POL regulator + 2 MOSFETs + 1 inductor

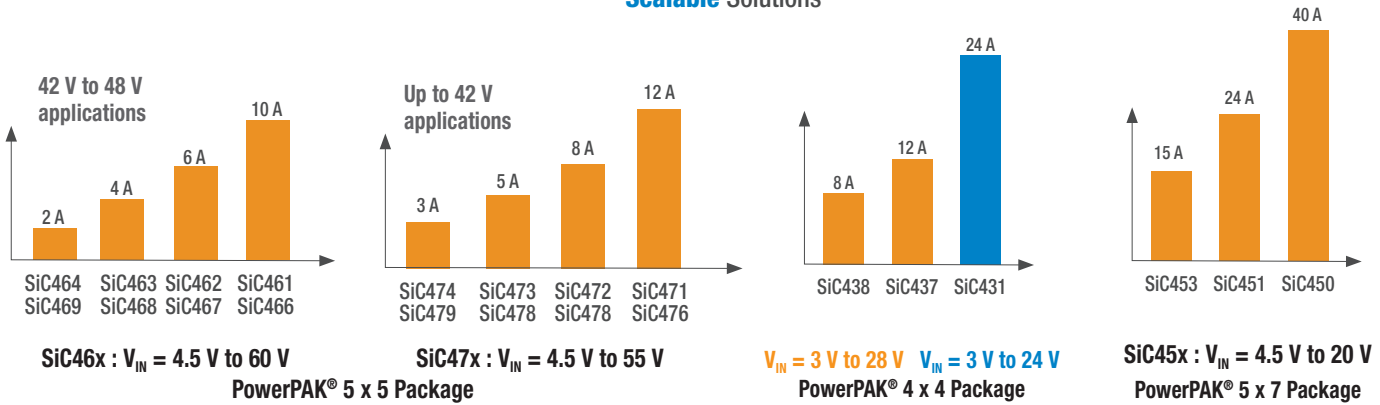
Si93x / SiC96x / SiC95x Series

MLP 10 x 6

THE POWER OF MANY IN 1

Highly integrated microBUCK® and microBRICK® POL solutions from Vishay Intertechnology deliver high efficiency while reducing costs. Each family offers a large portfolio of high density parts with common pinouts, allowing designers to scale for the best combination of cost and performance.

Scalable Solutions



Rugged and Reliable



PowerCAD design tool

Design your application using our online PowerCAD simulation tool



The DNA of tech.™

Highly Integrated POL Solutions

microBUCK® and microBRICK® DC/DC Regulators

microBUCK®

Family	P/N	Input (V)	V _{out} (V)	Maximum Current	Compensation		Features			Protections			Package	
					Internal	External	PGOOD	SYNC	PMBUS	VCC-UVLO	OC	OVP/UVP		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®

Family	P/N	V _{IN} (V)	V _{out} (V)	Maximum Current	Compensation		Features			Protections			Package	
					Internal	External	PGOOD	SYNC	PMBUS	VCC-UVLO	OC	OVP/UVP		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	√		√			√	√	√	√	