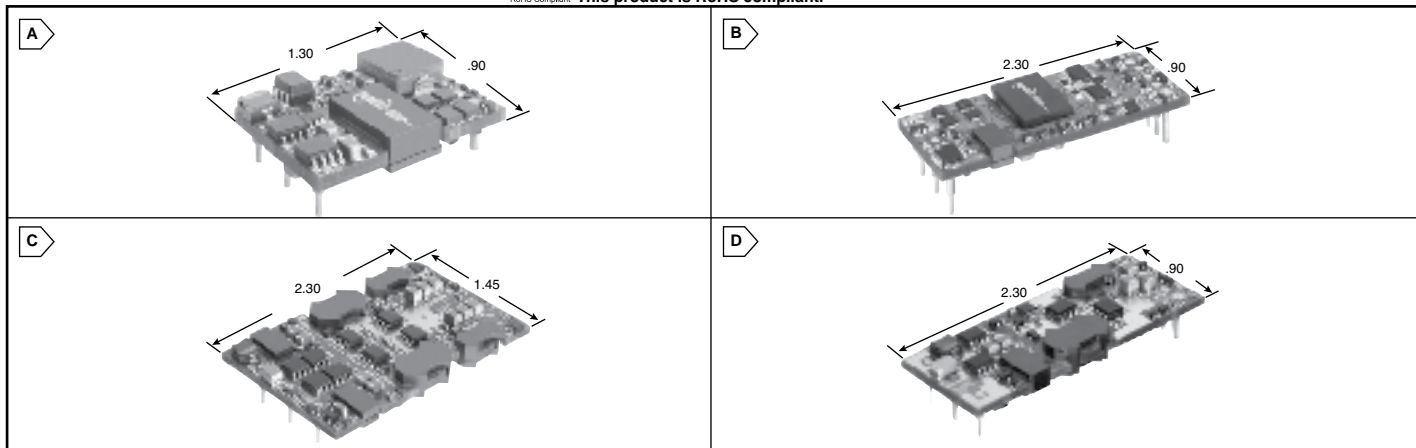


POWER-ONE DC-DC Converters

RoHS Compliant This product is RoHS compliant.



SIXTEENTH BRICK ISOLATED DC-DC CONVERTERS

Features:

- Industry-standard DOSA pinout
- Remote sense
- Fixed-frequency operation
- Start-up into pre-biased load
- On-board input differential LC-filter
- High reliability
- No minimum load required
- Weight: 0.44oz. (12.3g)



RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Power-One Part No.	Fig.	Input Voltage Range	Output Voltage	Rated Load Current	On/Off Logic	Max. Height (in.)	Pin Length (in.)	Efficiency 100% Load	I/O Isolation	Price Each		
											1	10	25
784-SSQE48T25015NABG	SSQE48T25015-NAB0G	A	36-75V	1.5V	25A	Negative	.374	.145	85%	2250VDC			
784-SSQE48T15033NAAG	SSQE48T15033-NAAG	A	36-75V	3.3V	15A	Negative	.374	.188	90%	2250VDC			
784-SSQE48T20033NABG	SSQE48T20033-NAB0G	A	36-75V	3.3V	20A	Negative	.374	.145	91%	2250VDC			
784-SSQE48T13050NABG	SSQE48T13050-NAB0G	A	36-75V	5.0V	13A	Negative	.374	.145	90%	2250VDC			
784-SSQE48T7120NABNG	SSQE48T7120-NABNG	A	36-75V	20V	7A	Negative	.374	.145	92%	2250VDC			

SQE 1/8TH BRICK DC-DC CONVERTERS

The new high temperature 30A SQE48 Series of DC-DC converters provides a high efficiency single output, in a 1/8th brick package that is only 62% the size of the industry-standard quarter-brick. Specifically designed for operation in systems that have limited airflow and increased ambient temperatures, the SQE48T30 converters utilize the same pinout and functionality of the industry-standard quarter-bricks.

Features:

- Weight: 0.72oz. (20.6g)
- Start-up into pre-biased output
- Industry standard quarter brick pinout
- High efficiency – no heat sink required
- No minimum load required
- Through-Hole Mounted
- On-board input differential LC-filter
- Fixed-frequency operation



RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Power-One Part No.	Fig.	Input Voltage Range	Output Voltage Range	Rated Load Current	On/Off Logic	Max. Height (in.)	Pin Length (in.)	Efficiency 100% Load	I/O Isolation	Price Each		
											1	10	25
784-SQE48T30025-NGAG	SQE48T30025-NGA0G	B	36-75V	2.5V	30A	Negative	.407	.188	89.0%	2250VDC			

QUARTER BRICK DC-DC CONVERTERS

In telecommunications applications the Q Family30 A converters provide thermal performance that far exceeds all quarter bricks and is comparable even to existing half-bricks. Low body profile and the preclusion of heat sinks minimize airflow shadowing, thus enhancing cooling for downstream devices. The use of 100% surface-mount technologies for assembly, coupled with Power-One's advanced electric and thermal circuitry and packaging, results in a product with extremely high quality and reliability.

Features:

- Delivers up to 30A
- Start-up into pre-biased output
- Fully protected
- High efficiency
- No minimum load required
- Through-Hole Mounted
- On-board LC input filter
- Fixed-frequency operation



RoHS Compliant

Dual Output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Power-One Part No.	Fig.	Input Voltage Range	Output Voltage 1	Output Voltage 2	On/Off Logic	Max. Height (in.)	Pin Length (in.)	Efficiency 100% Load	I/O Isolation	Price Each		
											1	10	25
784-QD48T033050-NBBG	QD48T033050-NBB0G	C	36-75V	3.3V	5.0V	Negative	.336	.145	88%	2000VDC			

SEMIQ™ EIGHTH BRICK DC-DC CONVERTERS

The SemiQ™ Family of dc-dc converters from provides a high efficiency single output in a size that is only 60% of industry-standard quarter-bricks, while preserving the same pinout and functionality. In high temperature environments, for output voltages ranging from 3.3V to 1.0V, the thermal performance of SemiQ™ converters exceeds that of most competitors' 20-30A quarter-bricks. This is accomplished through the use of patent pending circuit, packaging and processing techniques to achieve ultra-high efficiency, excellent thermal management and a very low body profile.

Features:

- Delivers up to 15A
- Start-up into pre-biased output
- Industry-standard quarter-brick pinout
- Low weight: 0.53oz. (15g)
- No minimum load required
- Fully protected
- High efficiency – no heat sink required
- Fixed-frequency operation
- Extremely low output and input ripple
- On-board input differential LC-filter
- High reliability
- Through-Hole Mounted



RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Power-One Part No.	Fig.	Input Voltage Range	Rated Load Current	Output Voltage	On/Off Logic	Max. Height (in.)	Pin Length (in.)	Efficiency 100% Load	I/O Isolation	Price Each		
											1	10	25
784-SQ24T15033-NBB0G	SQ24T15033-NBB0G	D	18-36V	3.3A	15V	Negative	.352	.145	88%	2000VDC			