

Product Overview

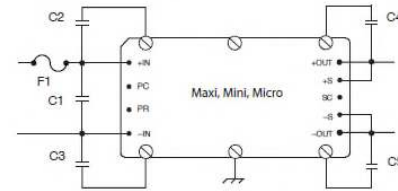
Autec's Mid-Volt DC-DC brick converters use unique patented variable frequency control, advanced power processing and packaging technologies to provide high efficiency, high power density and low noise of a mature power component. The size and pins' function of these converters are compatible with the same types of VICOR generation- II products.

- Power density: up to 120W/in³
- Isolated output
- Parallelable
- Programmable output::75~110%
- Remote on/off
- Input UVP/OVP
- Output OVP

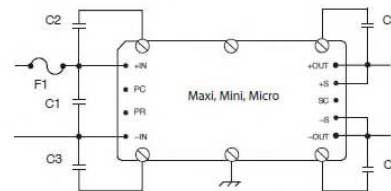
Specificaitons

* Ta=25°C, rated input voltage& full load unless otherwise specified.

Parameter	Specification	Notes
Voltage Accuracy	± 1% Vout	
Line regulation	± 0.2% Vout	Low line to high line
Load regulation	± 0.2% Vout	No load to full load
Temp regulation	0.02% Vout/°C	-55-100°C
Remote sense	0.5V	
Output OVP	115% Vout	
Current limited	115% Iout	
Short current	115% Iout	Output VI < 250mV
Efficiency	Up to 92%	
Programming range	75~110% Vout	
Isolation voltage	3,000 Vrms	Input to output
Size		
Full brick	116.8×55.9×12.7mm	Up to 600W
Half brick	57.9×55.9×12.7mm	Up to 250W
Quarter brick	57.9×36.8×12.7mm	Up to 150W



Applications



INPUT VOLTAGE	OUTPUT VOLTAGE AND POWER							
	3.3V	5V	12V	15V	24V	28V	36V	48V
24V (16-40V) Low Voltage DC								
MVLDC150-033480 Series	100W	125W	150W	150W	150W	150W	150W	150W
300V (180-375V) High Voltage DC								
MVHDC150-033480 Series	75W	100W	150W	150W	150W	150W	150W	150W
MVHDC250-033480 Series	150W	200W	250W	250W	250W	250W	250W	250W
MVHDC600-033480 Series	264W	400W	600W	600W	600W	600W	600W	600W