

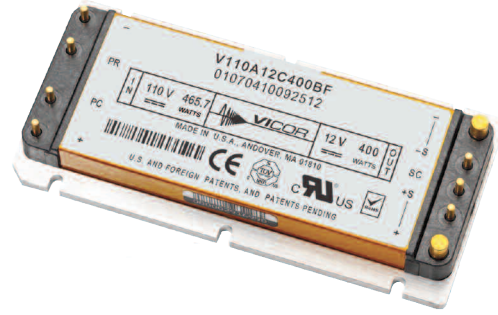
# 375V Maxi Mini Micro

50-600 WATTS - DC/DC CONVERTERS

DC-DC PCB MOUNTED CONVERTERS & POWER MODULES

## FEATURES

- Input Voltage: 250-425Vdc
- Output Voltage: 2-54Vdc
- Up to 120 W/in<sup>3</sup>
- Low noise zero-current switching and zero-voltage switching technology
- Single-wire paralleling
- Output voltage adjusts from 10-110%
- Logic enable / disable
- Input undervoltage lockout
- Output overvoltage protection



## SPECIFICATIONS

INPUT		
Voltage range	250-425Vdc	
OUTPUT		
Set point accuracy	±1% Vout nom.	Nominal input; full load; 25°C
Line regulation	±0.02% Vout nom.	Low line to high line; full load
Load regulation	±0.02% Vout nom.	No load to full load; nominal input
Temperature regulation	±0.002% Vout/°C	-20°C to 100°C
Ripple and noise, p-p	100mV	Full load, 20MHz bandwidth
Remote sense compensation	0.5 Volts	
Overvoltage set point	115% Vout nom.	
Current limit	115% out max.	Vout 95% of nominal
Efficiency: 5V out	83%	Nominal input; 80% load; 25°C
24Vout	88%	
Programming range	10-110% Vout nom.	
Short circuit current	115% out max.	Output Voltage <250mV
Isolation voltage	3000Vrms	Input to Output
(typical unless otherwise noted)		
STANDARDS AND APPROVALS		
Safety	UL60950-1, CSA60950-1, EN60950-1, IEC 60950-1	

## PART NUMBERING

V	<b>375</b>	<b>A</b>	<b>48</b>	<b>C</b>	<b>600</b>	<b>B</b>	<b>L</b>	<b>□</b>
	<b>Input Voltage</b>	<b>Package</b>	<b>Output Voltage</b>	<b>Product Grade</b>	<b>Output Power</b>		<b>Pin Style</b>	<b>Baseplate</b>
		A = Maxi		E = -10 to +100°C			Blank = Short tin / lead	Blank = Slotte
		B = Mini		C = -20 to +100°C			L = Long tin / lead	2 = Threader
		C = Micro		T = -40 to +100°C			S = Short ModuMate	3 = Through h
				H = -40 to +100°C			N = Long ModuMate	
				M = -55 to +100°C			F = Short gold (RoHS)	
							G = Long gold (RoHS)	

<sup>[a]</sup> Consult factory for other input / output / power models.

## SELECTION TABLES

OUTPUT VOLTAGE (VDC)	OUTPUT POWER (W)		
	MICRO	MINI	MAXI
2V	50	100	160
3.3V	75	150	264
5V	100	200	400
8V	100	200	400
12V	150	300	600
15V	150	300	600
24V	150	300	600
28V	150	300	600
32V			600
36V	150	300	600
48V	150	300	600
52V			600

## PRODUCT GRADE SPECIFICATIONS

	E	C	T	H	M
Operating Temp. (°C)	-10 to 100	-20 to 100	-40 to 100	-40 to 100	-55 to 100
Storage Temp. (°C)	-20 to 125	-40 to 125	-40 to 125	-55 to 125	-65 to 125
Temp. Cycling (°C)	none	none	none	24 hours	24 hours
Burn-In (°C)	none	none	none	12 hours	24 hours
Low Temp. Test (°C)	none	none	none	-40°C	-55°C
High Temp. Test (°C)	none	none	none	100°C	100°C
Final Test Data	none	none	none		

Refer to mechanical drawings.  
\* Other O/P voltages consult sales