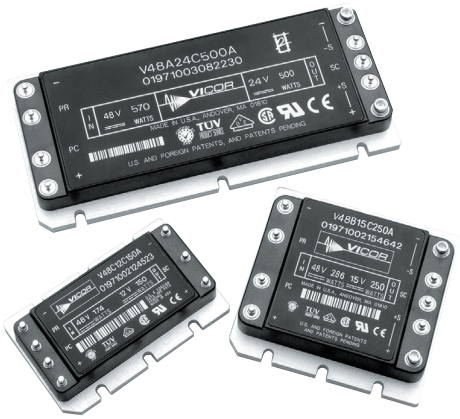
24V 2nd Gen

50-400W PCB MOUNTING COMPONENTS

Features

- **Input Voltage: 18-36Vdc**
- **Output Voltage: 2-48Vdc**
- **Output Power (per module):Maxi: 400W Micro: 100W**
- **Efficiency: Up to 90%**
- **Agency Approvals: UL, CSA, TUV, VDE, BABT,CE Marked, C-Tick**



Specifications

	Units	Notes
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	-20oC to 100oC
Ripple and noise, p-p	100mV	Full load, 20 MHz 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; 25oC
24Vout	88%	Nominal input; 80% load; 25oC
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		
C-Tick	AS/NZS CISPR11 Group 1 Class A	

Selection Table

OUTPUT VOLTAGE (VDC)	OUTPUT POWER (W)		
	MAXI	MINI	MICRO
3.3V	264	150	75/50
5V	400	200	100/50
12V	400	200	100/50
15V	400	200	100/50
24V	400	200	100/50
28V	400	200	100/50
48V	400	200	100/50

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	none	none	none	24 hours	24 hours
(°C)				(-55 to 125)	(-65 to 125)
Burn-In	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		

Mechanical Drawings refer to page 237-238

*Other O/P voltage consult sales

Part Numbering

V | 24 | A | 48 | C | 500 | B | L | | |

Input Voltage

Package
A = Maxi
B = Mini
C = Micro

Output Voltage

Product Grade
E = –10 to +100°C
C = –20 to +100°C
T = –40 to +100°C
H = –40 to +100°C
M = –55 to +100°C

Output Power

Pin Style
Blank = Short solder
L = Long solder
S = Short ModuMate
N = Long ModuMate
F = Short RoHS
G = Long RoHS

Baseplate
Blank = Slotted
2 = Threaded
3 = Thru hole