

# 150V Maxi Mini Micro

75-500 WATTS - DC/DC CONVERTERS

DC-DC PCB MOUNTED CONVERTERS & POWER MODULES

## FEATURES

- Input Voltage: 100-200Vdc
- Output Voltage: 3.3-48Vdc
- Up to 120 W/in3
- 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	100-200Vdc	
OUTPUT		
Set point accuracy	±1%Vout nom	Nominal input;
Line regulation	±0.02%Vout nom.	Low line to high
Load regulation	±0.02%Vout nom.	No load to full
Temperature regulation	±0.002%Vout/°C	-20°C to 100°C
Ripple and noise, p-p	100 mV	Full load, 20MHz
Remote sense compensation	0.5 Volts	
Overvoltage set point	115% Vout nom.	
Current limit	115% out max.	Vout 95% of
Efficiency: 5V out	83%	Nominal input;
24V out	88%	load; 25°C
		88%
Programming range	10-110 % Vout nom.	
Short circuit current	115% out max.	Output Voltage
Isolation voltage	3000 Vrms	Input to Output
(typical unless otherwise noted)		
STANDARDS AND APPROVALS		
Safety	UL60950-1, CSA60950-1, EN60950-1, IEC 60950-1	

## PART NUMBERING

V	150	A	48	C	500	B	L	
<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 = Slotted
		B = Mini		C = -20 to +100°C			L = Long tin / lead	2 = Threaded
		C = Micro		T = -40 to +100°C			S = Short ModuMate	3 = Through hole
				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
3.3V	75	150	264
5V	100	200	400
8V	100	200	400
12V	150	250	500
15V	150	250	500
24V	150	250	500
28V	150	250	500
36V	150	250	500
48V	150	250	500

## 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
				(-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		

Refer to mechanical drawings.