72V Maxi Mini Micro

75-400 WATTS - DC/DC CONVERTERS

FEATURES

- Input Voltage: 43-110Vdc
- 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	43-110Vdc	
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 100oC
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 24V out	83% 88%	Nominal input; 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	

SELECTION TABLES

OUTPUT VOLTAGE (VDC)	OUTPUT POWER (W)		
	MICRO	MINI	MAXI
3.3V	75	100	264
5V	100	150	300
8V	100	150	300
12V	150	250	400
15V	150	250	400
24V	150	250	400
28V	150	250	400
36V	150	250	400
48V	150	250	400

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		

Refer to mechanical drawings

PART NUMBERING

V [72] [A] [48] [C] [400] [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 tin / lead
L = Long tin / lead
S = Short ModuMate
N = Long ModuMate
F = Short gold (RoHS)
G = Long gold (RoHS)

Baseplate
Blank = Slotted
2 = Threaded
3 = Through hole

[a] *Consult factory for other input / output / power models.*