300V 2nd Gen

50-500W PCB MOUNTING COMPONENTS

Features

- **Input Voltage: 180-375Vdc**
- **Output Voltage: 2-48Vdc**
- **Output Power (per module):Maxi: 500W Mini: 250W Micro: 150W**
- **Efficiency: Up to 91%**
- **Agency Approvals: UL, CSA, TUV, VDE, BABT,CE Marked, C-Tick**

Specifications

GENERAL

	Units	Notes
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/oC	-20°C to 100°C
Ripple and noise, p-p	100mV	Full load, 20MHz
Remote sense compensation	0.5Volts	
Overvoltage set point	115%Vout nom.	
Current limit	115% Iout max.	Vout 95% of nominal
Efficiency: 5Vout	82%	Nominal input;
Programming range	10-110% Vout nom.	
Short circuit current	115%Iout max.	Output Voltage
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
2V	160	100	50
3.3V	264	150	75/50
5V	400	200	100/50
12V	500	250	150/75
15V	500	250	150/75
24V	500	250	150/75
28V	500	250	150/75
48V	500	250	150/75

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 | 300 | A | 48 | C | 500 | B | L | |

300 Input Voltage

A Package
A = Maxi
B = Mini
C = Micro

48 Output Voltage

C 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

500 Output Power

B

L 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