375V 2nd Generation

50-600 WATTS PCB MOUNTING COMPONENTS

Features

- **Input Voltage: 250-425Vdc**
- **Output Voltage: 2-48Vdc**
- **Output Power (per module):Maxi: 600W Mini: 300W Micro: 150W**
- **Efficiency: Up to 90%**
- **Agency Approvals: UL, CSA, TUV, VDE, BABT, CE Marked, C-Tick**

Specifications

GENERAL

	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	-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: 5Vout	83%	Nominal input; 80% load; 25°C
24Vout	88%	Nominal input; 80% load; 25°C
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
2V	160	100	50
3.3V	264	150	75
5V	400	200	100
12V	600	300	150
15V	600	300	150
24V	600	300	150
28V	600	300	150
48V	600	300	150

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 voltages consult sales

Part Numbering

V [375] [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

powerbox