

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 (°C)	none	none	none	24 hours (-55 to 125)	24 hours (-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	Baseplate
Input Voltage		Package	Output Voltage	Product Grade	Output Power		Pin Style	
		A = Maxi		E = -10 to +100°C			Blank = Short solder	Blank = Slotted
		B = Mini		C = -20 to +100°C			L = Long solder	2 = Threaded
		C = Micro		T = -40 to +100°C			S = Short ModuMate	3 = Thru hole
				H = -40 to +100°C			N = Long ModuMate	
				M = -55 to +100°C			F = Short RoHS	
							G = Long RoHS	