



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## 300W Medical/ITE Class I and II External Power Supplies

### Features

- ◆ Meets DoE Level VI Efficiency
- ◆ Medical & ITE Certifications
- ◆ Class I & II Inputs
- ◆ < 0.5W Off-load Power Draw
- ◆ Meets IEC60601-1-2 Ed4; 2014
- ◆ Suitable for B & BF Rated Equipment



### Key Market Segments & Applications

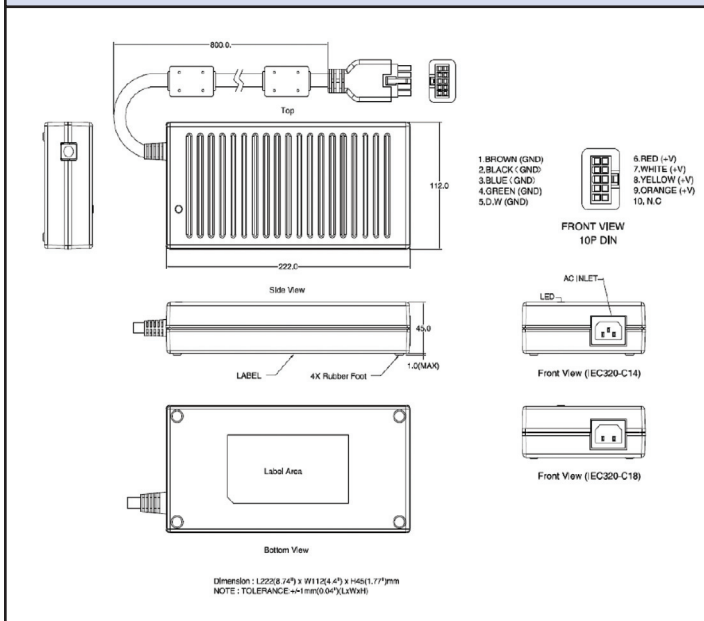


Specifications		DTM300M-D
Model		DTM300M-D
Input Voltage range	VAC	90 - 264VAC (47 - 63Hz)
Inrush Current	A	<70A at 230VAC input, 25°C ambient cold start
Input Current	A	3A at 115VAC Maximum
Touch Current	-	<100uA @ 264VAC
Power Factor	-	Meets EN61000-3-2, >0.9 at 230VAC full load
Hold Up Time (Typ)	ms	10ms at 115VAC input
Temperature Coefficient	%/°C	±0.05%/°C
Adjustment Range	-	None
Minimum Load	A	None
Total Regulation	%	±5% (-20 to -30°C ±10%)
Ripple & Noise	mV	12V model: 240mV; all others 300mV
Overload & Short Circuit Protection	-	105 - 150% - hiccup mode
Overvoltage Protection	V	Auto-recovery
Efficiency	%	>88%, average efficiency
Operating Temperature	°C	-30 to +60°C derate linearly to 50% load from 40 to 60°C Derate linearly to 70% load from 0 to -30°C
Storage Temperature	°C	-30 to +85°C
Humidity (non condensing)	%RH	0 - 95%RH
Cooling	-	Convection
Withstand Voltage	VAC	Class I: Input to Ground 1.5kVAC, Input to Output 4kVAC (2xMoPP), Output to Ground: 1.5kVAC Class II: Input to Output 4kVAC (2xMoPP)
Safety Agency Certification	-	IEC/ES/CSA/EN60601-1, IEC/UL/CSA/EN60950-1, CE Mark
Offload Power Consumption	W	< 0.5W
EMC	-	EN60601-2, IEC60601-1-2 Ed4:2014, EN55011 Class B, EN55024 Class B, FCC Part 15 Class B, FCC Part 18 Class B
Altitude	m	5,000m maximum
Weight (Typ)	g	1570g
Size (WxLxH)	in (mm)	4.4 x 8.75 x 1.77" (112 x 222 x 45mm)
Cable Length	mm	800mm
AC Input Connector	-	Class I: IEC 320-C14 (3 prong); Class II: IEC 320-C18 (2 prong)
Output Connector	-	See Output Connector on page 2
Warranty	yrs	Three Years

## Model Selector

Model	Output (V)	Maximum Output (A)	Maximum Power (W)	Regulation (mV)	Ripple/Noise	Efficiency Level	Class
DTM300PW-120D1	12V	25A	300W	240mV	±5%	VI	I
DTM300PW-190D1	19V	15.79A	300W	300mV	±5%	VI	I
DTM300PW-240D1	24V	12.5A	300W	300mV	±5%	VI	I
DTM300PW-280D1	28V	10.71A	300W	300mV	±5%	VI	I
DTM300PW-480D1	48V	6.25A	300W	300mV	±5%	VI	I
DTM300PW-540D1	54V	5.56A	300W	300mV	±5%	VI	I
DTM300PW-120D2	12V	25A	300W	240mV	±5%	VI	II
DTM300PW-190D2	19V	15.79A	300W	300mV	±5%	VI	II
DTM300PW-240D2	24V	12.5A	300W	300mV	±5%	VI	II
DTM300PW-280D2	28V	10.71A	300W	300mV	±5%	VI	II
DTM300PW-480D2	48V	6.25A	300W	300mV	±5%	VI	II
DTM300PW-540D2	54V	5.56A	300W	300mV	±5%	VI	II

## Outline Drawing



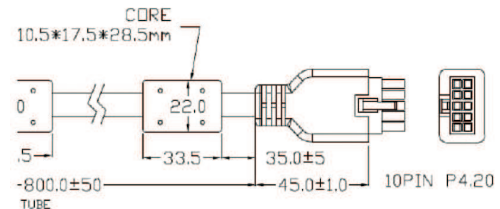
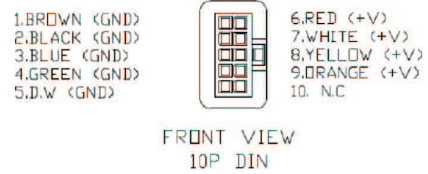
## Output Connector

### Matching connectors

#### DC Output Connector

Standard male plug (power supply side): 10 PIN Mini Fit Jr. Pitch; 4.2mm Mating Connector: Molex P/N: 39-28-1103 or equivalent.

DC output cable: 8C+1, UL2464, 16AWG, VW-1, 80°C, 300V



For Additional Information, please visit  
[us.tdk-lambda.com/lp/products/dt-c-series.htm](http://us.tdk-lambda.com/lp/products/dt-c-series.htm)

