

**TDK | 东京电子** JWT100-5FF *PDF*



**深圳创唯电子有限公司**

**<http://www.tdk-dz.com>**

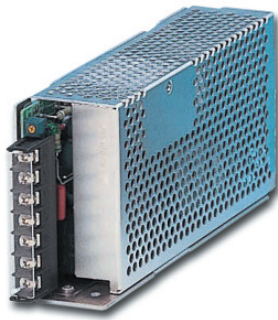
深圳市创唯电子有限公司

电话：400-900-3095 0755-21000796

手机：13006692189

企业QQ：800152669

公司官网：<http://www.szcwdz.com>



## JWT Series

Triple Output  
Industrial Power Supplies

- 5 Year Warranty
- Power Factor Corrected
- Approved to VDE01 60 Machinery Directive
- Universal Input (85 265VAC)

### Key Market Segments & Applications

Factory Automation: Process Control, NC-Machining, Automotive, Packaging Equipment, Materials Handling, Chemical Processing, Robots

Test & Measurement: Burn-in & Test, Automated Test, Instrumentation, Measurement, Detection

### JWT Features and Benefits

#### Features

- VDE01 60 Approved
- 5 Year Warranty
- Power Factor Corrected
- Level B EMI

#### Benefits

- No Additional Approvals Needed
- Lower Cost of Ownership
- Supports Global Use
- Assists Systems Compliance

### Specifications

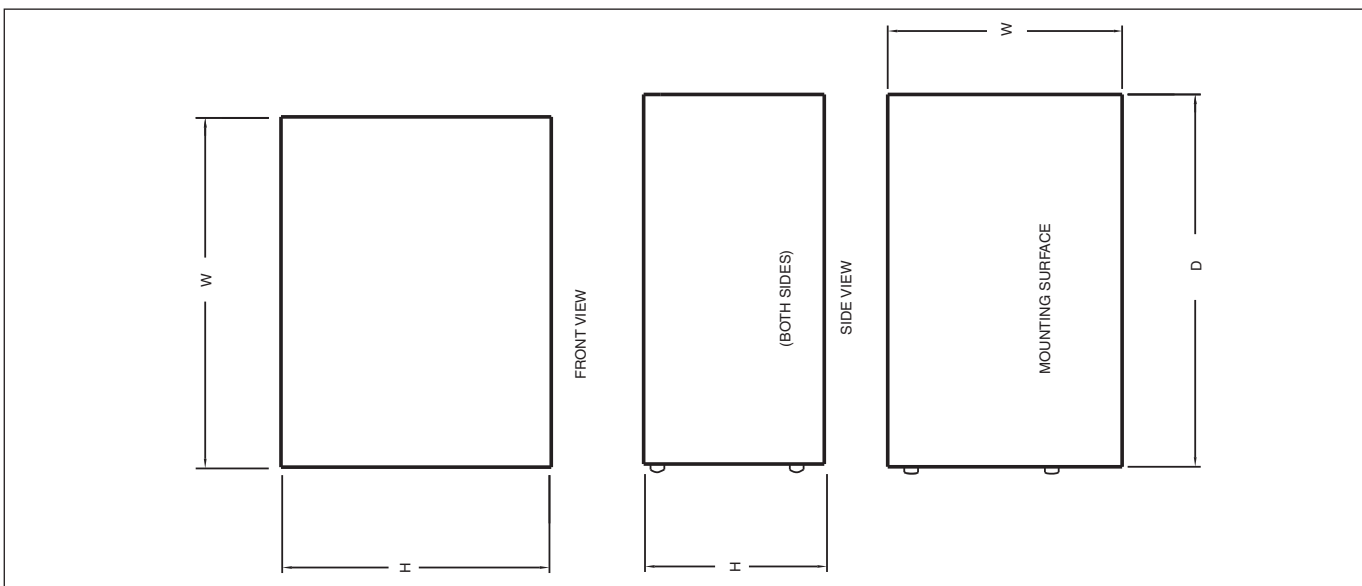
MODEL		JWT75	JWT100
ITEMS			
Max Output Power	W	75	100
Efficiency (Typ)	%	72	
Input Voltage range	-	85 - 265VAC (47 - 63Hz) or 120 - 330VDC	
Input Current Typ	A	1.2 / 0.6	1.4 / 0.7
Inrush Current	A	14A at 100VAC, 28A at 200VAC input	
Power Factor	-	Meets EN61000-3-2	
Output Voltage Accuracy	-	V1 variable, V2 & V3 +/-5%	
Temperature Coefficient	-	V1 & V2 <0.02%/°C, V3 <0.03%/°C	
Overcurrent Protection	-	>105%	
Overvoltage Protection	V	Main output only: 5.7 - 7V	
Hold Up Time (Typ)	ms	20	
Leakage Current	-	0.75mA Max, 0.44mA typical at 230VAC	
Operating Temperature	-	-10°C to +65°C, derate linearly to 50% load from 50°C to 65°C -10°C to +50°C, derate linearly to 60% load from 40°C to 50°C with cover	
Storage Temperature	°C	-30 to +85	
Humidity	-	30 - 90% RH (operating), 10 - 95% RH (non operating)	
Cooling	-	Convection	
Withstand Voltage	-	Input to Ground 2kVAC (20mA), Input to Output 3kVAC (20mA), Output to Ground 500VAC (100mA) for 1 min.	
Isolation Resistance	-	>100M at 25°C & 70%RH, Output to Ground 500VDC	
Vibration (non operating)	-	10 - 55Hz (1 minute sweep), 196m/s <sup>2</sup> constant X, Y, Z 1 hour	
Shock	-	<196.1m/s <sup>2</sup>	
Safety Agency Approvals	-	UL/CSA60950-1, EN60950, VDE0160, CE Mark, Built to meet DENTORI	
Conducted & Radiated EMI	-	EN55011 / EN55022-B, FCC Class B, VCCI-B	
Weight (Typ)	g	600	720
Size (WxHxD)	mm	42 x 92 x 188	48 x 92 x 203
Warranty	-	5 Years	

**Note:** See Installation Manual for full details, test methods of parameters and application notes.

Model Selector								
Model	Output	Voltage	Adjust. Range	Min Current (A)	Max Current (A)	Load Reg (mV)	Line Reg (mV)	Ripple & Noise (mV)
JWT75-522/A	V1	+5V	5 - 5.25	0.8	8	40	20	120
	V2	+12V	-	0	4	100	48	150
	V3	-12V	-	0	0.5	150	48	150
JWT75-5FF/A	V1	+5V	5 - 5.25	0.8	8	40	20	120
	V2	+15V	-	0	3.2	120	60	150
	V3	-15V	-	0	0.5	150	60	150
JWT75-525/A	V1	+5V	5 - 5.25	0.8	8	40	20	120
	V2	+12V	-	0	4	100	48	150
	V3	-5V	-	0	0.5	100	20	150
JWT100-522/A	V1	+5V	5 - 5.25	1.3	13	40	20	120
	V2	+12V	-	0	5.5	100	48	150
	V3	-12V	-	0	1	150	48	150
JWT100-5FF/A	V1	+5V	5 - 5.25	1.3	13	40	20	120
	V2	+15V	-	0	4.5	120	60	150
	V3	-15V	-	0	1	150	60	150
JWT100-525/A	V1	+5V	5 - 5.25	1.3	13	40	20	120
	V2	+12V	-	0	5.5	100	48	150
	V3	-5V	-	0	1	100	20	150

Options	
Suffix	Description
Blank	Screw terminals, no cover
/A	Screw terminals, cover (Standard US stock item)
/R	Remote On / Off
<b>Example</b>	<b>JWT75-525/RC</b>

**Outline Drawing JWT Series**





**TDK-Lambda France SAS**

3 Avenue du Canada  
 Parc Technopolis  
 Bâtiment Sigma  
 91940 les Ulis  
 France  
 Tel: +33 1 60 12 71 65  
 Fax: +33 1 60 12 71 66  
[france@fr.tdk-lambda.com](mailto:france@fr.tdk-lambda.com)  
[www.emea.lambda.tdk.com/fr](http://www.emea.lambda.tdk.com/fr)



**Italy Sales Office**

Via Giacomo Matteotti 62  
 20092 Cinisello Balsamo (MI)  
 Italy  
 Tel: +39 02 61 29 38 63  
 Fax: +39 02 61 29 09 00  
[info.italia@it.tdk-lambda.com](mailto:info.italia@it.tdk-lambda.com)  
[www.emea.lambda.tdk.com/it](http://www.emea.lambda.tdk.com/it)



**Netherlands**

[info@nl.tdk-lambda.com](mailto:info@nl.tdk-lambda.com)  
[www.emea.lambda.tdk.com/nl](http://www.emea.lambda.tdk.com/nl)



**TDK-Lambda Germany GmbH**

Karl-Bold-Strasse 40  
 77855 Achern  
 Germany  
 Tel: +49 7841 666 0  
 Fax: +49 7841 5000  
[info.germany@de.tdk-lambda.com](mailto:info.germany@de.tdk-lambda.com)  
[www.emea.lambda.tdk.com/de](http://www.emea.lambda.tdk.com/de)



**Austria Sales Office**

Aredstrasse 22  
 2544 Leobersdorf  
 Austria  
 Tel: +43 2256 655 84  
 Fax: +43 2256 645 12  
[info@at.tdk-lambda.com](mailto:info@at.tdk-lambda.com)  
[www.emea.lambda.tdk.com/at](http://www.emea.lambda.tdk.com/at)



**Switzerland Sales Office**

Eichtalstrasse 55  
 8634 Hombrechtikon  
 Switzerland  
 Tel: +41 44 850 53 53  
 Fax: +41 44 850 53 50  
[info@ch.tdk-lambda.com](mailto:info@ch.tdk-lambda.com)  
[www.emea.lambda.tdk.com/ch](http://www.emea.lambda.tdk.com/ch)



**Nordic Sales Office**

Haderslevvej 36B  
 DK-6000 Kolding  
 Denmark  
 Tel: +45 8853 8086  
[info@dk.tdk-lambda.com](mailto:info@dk.tdk-lambda.com)  
[www.emea.lambda.tdk.com/dk](http://www.emea.lambda.tdk.com/dk)



**TDK-Lambda UK Ltd.**

Kingsley Avenue  
 Ilfracombe  
 Devon EX34 8ES  
 United Kingdom  
 Tel: +44 (0) 12 71 85 66 66  
 Fax: +44 (0) 12 71 86 48 94  
[powersolutions@uk.tdk-lambda.com](mailto:powersolutions@uk.tdk-lambda.com)  
[www.emea.lambda.tdk.com/uk](http://www.emea.lambda.tdk.com/uk)



**TDK-Lambda Ltd.**

1 Alexander Yanai  
 Segula  
 Petah-Tikva  
 Israel  
 Tel: +9 723 902 4333  
 Fax: +9 723 902 4777  
[info@tdk-lambda.co.il](mailto:info@tdk-lambda.co.il)  
[www.emea.lambda.tdk.com/il](http://www.emea.lambda.tdk.com/il)



**C.I.S.**

**Commercial Support:**  
 Tel: +7 (495) 665 2627  
**Technical Support:**  
 Tel: +7 (812) 658 0463  
[info@tdk-lambda.ru](mailto:info@tdk-lambda.ru)  
[www.emea.lambda.tdk.com/ru](http://www.emea.lambda.tdk.com/ru)

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