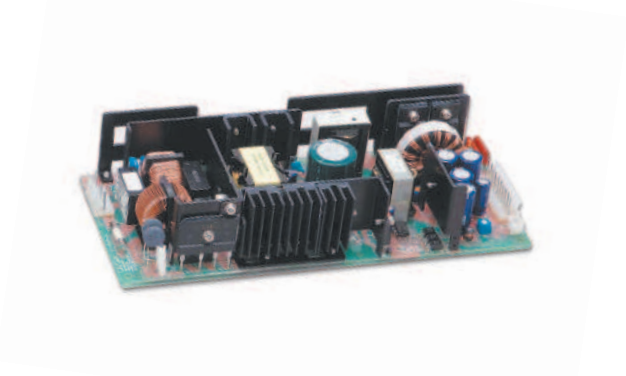


- Universal Input (85 - 265VAC)
- Power Factor Corrected
- 200% Peak Power capability on 24V output
- 2 Year Warranty
- Individual output adjustment

ZWD-PAF Series

100W to 440W
Dual Output Power Supplies

Key Market Segments & Applications

Factory Automation
Printer and Motor Drives
Kiosks

ZWD-PAF Features and Benefits

Features

- Input Transient Protected
- Power Factor Corrected
- 200% Peak Power Capability

Benefits

- Withstands Harsh Environments
- Supports Global Use
- Can Drive High current Start Up Devices or pulse loads

Specifications

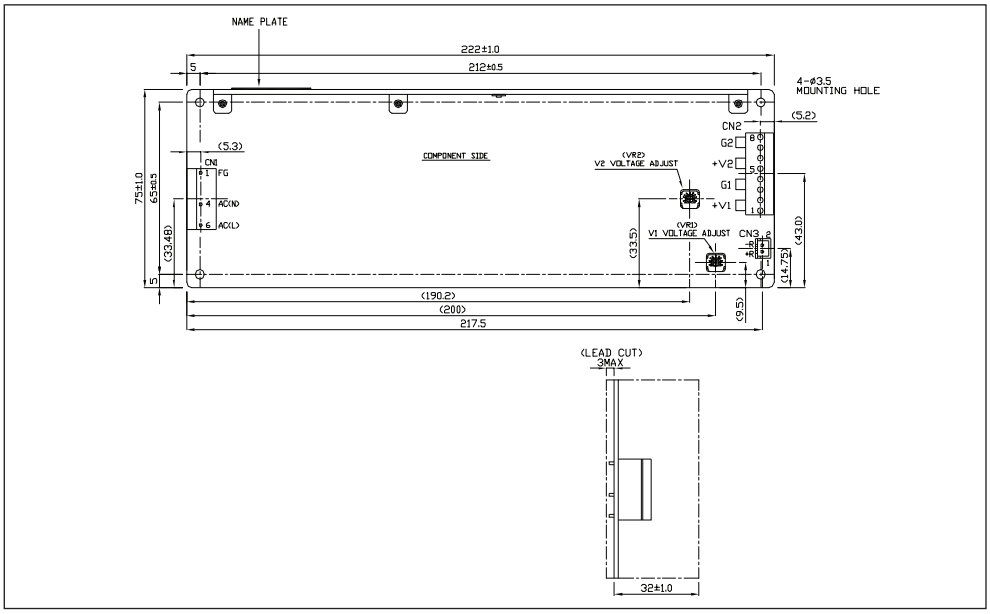
ITEMS \ MODEL			ZWD100PAF-0524	ZWD150PAF-0524	ZWD225PAF-0524
Input Voltage		-	85-265VAC (47-63Hz), 120-370VDC		
Input Current	(1)	A	1.3 / 0.65	1.9 / 0.97	2.81 / 1.43
Inrush Current	(1)(2)	A	15 / 30		
Power Factor		-	0.99 at 100VAC, 0.95 at 200VAC, Meets EN61000-3-2		
Leakage Current		mA	0.75mA max		
Temperature Coefficient		-	<0.02%/°C		
Overcurrent Protection	(3)	-	5V output: >105%, 24V output: >205%		
Overvoltage Protection	(4)	V	120- 145%		
Hold Up Time (Typ)	(1)	ms	5V output: 40ms, 24V output: 20ms		
Efficiency	(2)	%	79 / 81	80 / 82	81 / 83
Remote On/Off		-	On 24V output only, remove jumper to shutdown		
Line Regulation		mV	5V output: 20mV, 24V output: 96mV		
Load Regulation		mV	5V output: 40mV, 24V output: 150mV		
Ripple & Noise		mV	5V output: 120mV, 24V output: 150mV		
Operating Temperature		-	(Open frame or L bracket) -10°C to +70°C, derate linearly to 0% load from 50°C to 70°C		
Operating Temperature		-	(With /A cover option) -10°C to +60°C, derate linearly to 0% load from 40°C to 60°C		
Storage Temperature		-	-30 to +85°C		
Humidity (non condensing)		-	Operating: 20 - 90%RH, Non-operating: 10 - 95% RH		
Cooling		-	Convection cooled		
Withstand Voltage		-	I/P to Gnd 2kVAC (20mA), I/P to O/P 3kVAC (20mA), O/P to Gnd 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), 19.6m/s^2 constant X, Y, Z 1 hour		
Shock		-	< 196.1 m/s^2		
Safety Agency Approvals		-	IEC/UL/CSA/EN62368-1, 60950-1, CE Mark		
Conducted & Radiated EMI		-	EN55022-B, FCC Class B, VCCI-B		
Immunity		-	EN61000-4-2, -3, -4, -5, -6, -8, -11		
Weight (Typ)		g	460 (780 with cover)	530 (885 with cover)	670 (1065 with cover)
Size (WxHxD)		mm	222 x 75 x 35	222 x 85 x 40	222 x 95 x 45
Warranty		yrs	2 Years		

Notes: See installation manual for full specification.
(1) 100/200VAC (2) 25°C ambient (cold start) (3) Avoid prolonged operation in overload (4) OVP on 24V output will shutdown 24V output only

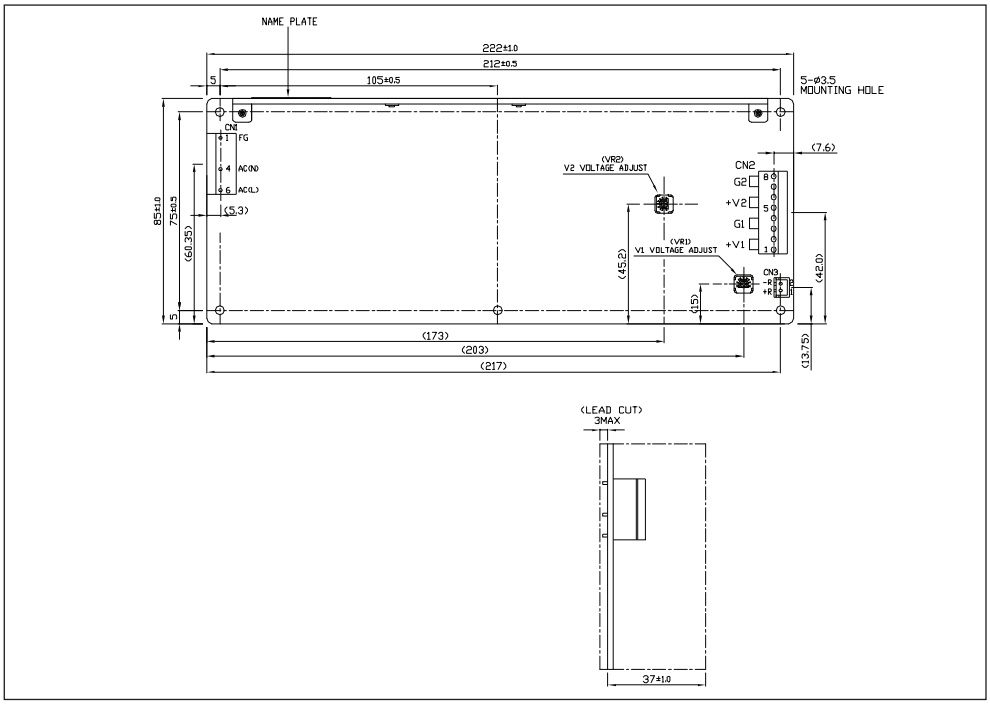
Model Selector

Model	Output Output Voltage	Output Voltage Accuracy	Adjust Range	Max Current	Peak[1,5] Current	Max Peak[1,5] Power	Total[1,5] Average Power	Peak Power
ZWD100PAF-0524	5V 24V	4.9 - 5.1V 23.52 - 24.48V	4.5 - 5.5V 22.8 - 27.6V	5A 4A	- 7 / 8A	- 168 / 192W	100W	172 / 196W
ZWD150PAF-0524	5V 24V	4.9 - 5.1V 23.52 - 24.48V	4.5 - 5.5V 22.8 - 27.6V	5A 6A	- 10 / 12A	- 240 / 288W	150W	246 / 294W
ZWD225PAF-0524	5V 24V	4.9 - 5.1V 23.52 - 24.48V	4.5 - 5.5V 22.8 - 27.6V	5A 9A	- 14 / 18A	- 336 / 432W	225W	344 / 440W

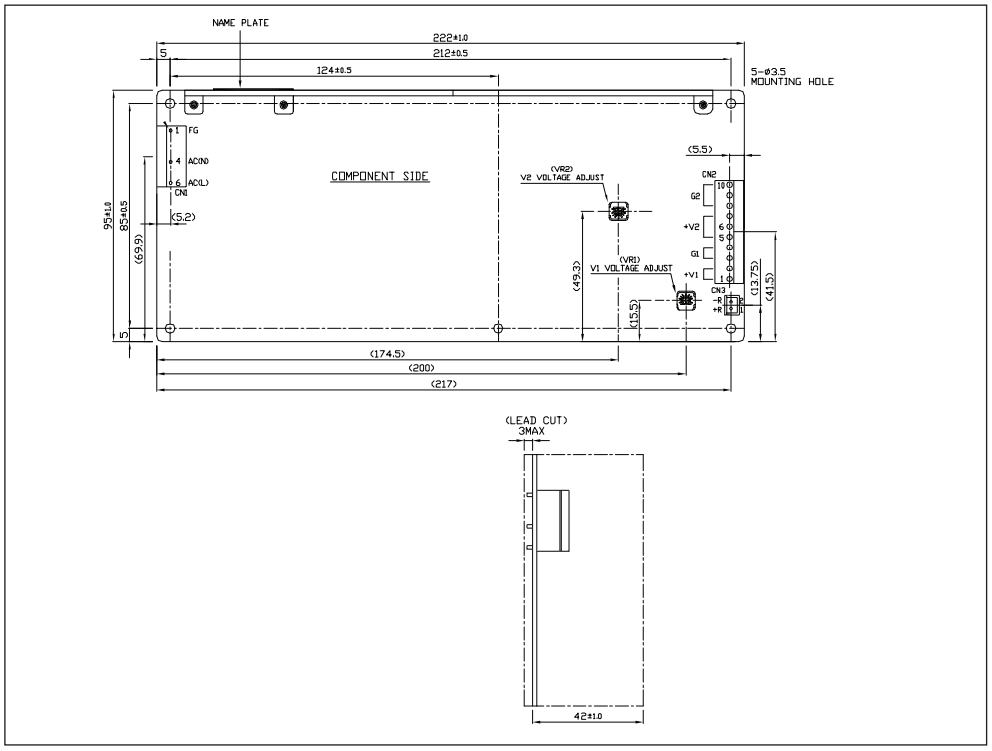
Outline Drawing ZWD100 Series



Outline Drawing ZWD150 Series



Outline Drawing ZWD225 Series



Notes:

(5) ZWD100PAF: For <10s max, duty cycle ≤0.35
ZWD150PAF: Up to 10A peak, <10s max, duty cycle ≤0.35; from 10-12A, <5s, duty cycle ≤0.2
ZWD225PAF: Up to 14A peak, <10s max, duty cycle ≤0.35; from 14-18A, <5s, duty cycle ≤0.2

Options

Suffix	Description
blank	Molex Input & Output Connector
/L	L Bracket
/A	Cover & L Bracket
/J	JST Input & Output Connector
/T	Vertical Mount Screw Terminals

Prefered option combination: blank, /L, /TL, or /TA
Example: ZWD100PAF-0524/TA



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