



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



Single Output General Purpose Power Supplies

Features

- ◆ Lower Cost
- ◆ Active Power Factor Correction
- ◆ Universal Input (85 - 265VAC)
- ◆ Input Transient Protected IEC61000-4
- ◆ Enclosed
- ◆ Global safety Approvals
- ◆ Level B EMI



Key Market Segments & Applications



Specifications		
Model		
	SWS300A	SWS600
Input Voltage range (1)	-	85 - 265VAC (47 - 63Hz) or 120 - 370VDC
Inrush Current (115 / 230VAC)	A	20 / 40
Power Factor	-	Meets EN61000-3-2
Input Current (100/200VAC)	A	3.6 / 1.8A 7.2 / 3.6A
Temperature Coefficient	-	<0.02%/°C
Overcurrent Protection	-	>105%, Constant current style
Overvoltage Protection	V	Yes, cycle AC to reset
Overtemperature Protection	-	Yes, cycle AC to reset
Hold Up Time (Typ)	ms	20ms at 115/230VAC
Leakage Current (max)	mA	SWS300: 0.75mA , SWS600: 1.5mA
Remote Sense	-	None Yes
Parallel Connection	-	None Yes
Remote On/Off	-	None Yes
AC Fail Signal	-	None Yes, open collector output
LED Indicator	-	Green LED = On
Operating Temperature	°C	-10 to +65°C (See table for derating - model specific)
Storage Temperature	°C	-30 to +85°C
Humidity (non condensing)	-	30 - 90% RH operating, 10 - 95%RH non operating
Storage Humidity (non condensing)	-	10 - 95% RH
Cooling	-	Internal fan
Withstand Voltage	-	I/P to Grnd 2kVAC, I/P to O/P 3kVAC, O/P to Grnd 500VAC, O/P to CNT 100VAC for 1 min
Isolation Resistance	-	>100M at 25°C & 70%RH, Output to Ground 500VDC
Vibration (non operating)	-	10 - 55Hz (sweep for 1 min)19.6m/s ² constant X, Y, Z 1 hour each plane)
Immunity	-	EN61000-4-2, -3, -4, -5, -6, -8, -11
Safety Agency Approvals	-	UL60950, CSA60950, EN60950, EN50178, CE Mark
Conducted & Radiated EMI	-	EN55011 / EN55022-B, FCC Class B
Recommended EMI Filter	-	RSAL2006 RSAN2010
Weight (Typ)	g	950 2000
Size (WxHxD)	in	2.05 x 4.01 x 7.8" 3.62 x 4.72 x 7.48"
Warranty	yrs	Two Years

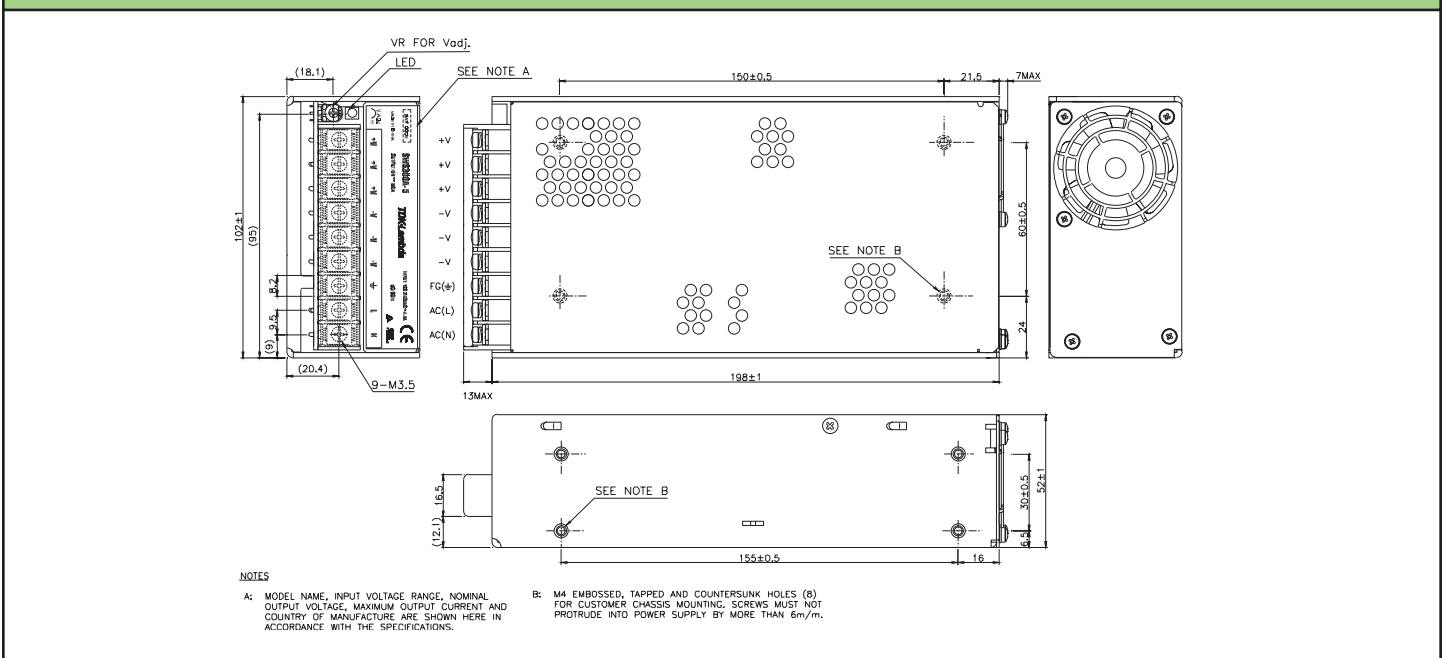
(1) Derate linearly to 85% load from 115VAC to 85VAC input (derate to 90% load for SWS600-3 & -5)

Model Selector

Model	Voltage	Adjust Range	Max Curr. (A)	Load Reg (mV)	Line Reg (mV)	Ripple Noise (mV)	Eff. (typ)%(1)
SWS300A-3	3.3V	2.97 - 3.96V	55A	40	20	120	69 / 72
SWS300A-4	4V	3.6 - 4.8V	55A	40	20	120	72 / 75
SWS300A-5	5V	4.5 - 6V	55A	40	20	120	75 / 78
SWS300A-7R5	7.5V	6 - 9V	40A	60	30	120	77 / 80
SWS300A-12	12V	9.6 - 13.2V	26A	96	48	120	79 / 83
SWS300A-15	15	13.2 - 18.6V	21A	120	48	120	80 / 84
SWS300A-24	24V	20 - 28.8V	13A	120	48	150	82 / 85
SWS300A-28	28V	22.4 - 33.6V	11A	140	56	150	83 / 86
SWS300A-36	36V	28.8 - 40V	8.8A	180	72	200	83 / 87
SWS300A-48	48V	40 - 57.6	6.7A	240	96	240	83 / 86
SWS600-3	3.3V	2.97-3.96V	100 (2)	40	20	100	69/71
SWS600-5	5V	4.5-6V	100 (2)	40	20	100	74/77
SWS600-12	12V	9.6-13.2	50	96	48	120	78/81
SWS600-15	15V	13.2-18V	40	120	48	120	80/83
SWS600-24	24V	20-28.8	25	120	48	150	81/84
SWS600-36	36V	28.8-40V	16.7	180	72	200	81/85
SWS600-48	48V	40-57.6	12.5	240	96	240	82/85

- (2) Peak rating of 120A for 10s
- (3) 115/230VAC

Outline Drawing (SWS300A)



Options

Suffix	Descriptor
/CO2	Double sided conformal coating

Derating

Model	50°C	55°C	60°C	65°C
SWS300A	100%	91.6%	83.3%	50%
SWS600	100%	85%	70%	55%

Other Industrial Products

HWS	15W to 1500W Single output, high reliability
SWS	50 - 1000W Single Output
ZWS	5 - 240W pcb style single, output

For Additional Information, please visit us.tdk-lambda.com/lp/products/sws-series.htm

