ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

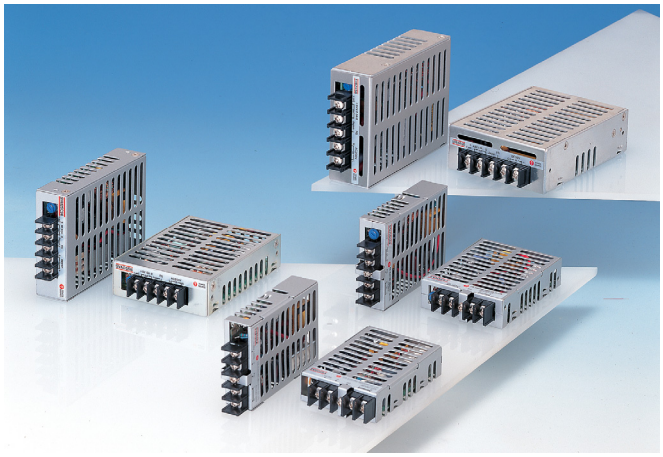
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Find the *ETA-USA SVB05SA* at our website: *Click HERE*

ETA-USA
Your power supply experts

50 WATT AC-DC CONVERTER

SVB-SA SERIES



The SV-series has been developed to follow ETA's philosophy of "Miniaturization and high efficiency" of power supplies. There are two inputs available: SVA..-SA is designed for 100VAC; SVA-..SB is usable with 200VAC. The small size and high efficiency are suitable for many applications, especially small equipment.

Application

Industrial

Input

Input Voltage: AC85-132V

Efficiency: 77%

Features

1. Very small (one of the smallest in Japan)
2. No derating when mounted on a horizontal surface
3. Low impedance capacitors
4. Over voltage protection
5. EMI: Complies with FCC/A

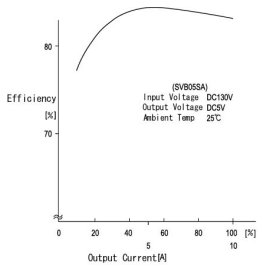
Options

Specifications<AC/DC> SVB**SA 50WATTS/SINGLE	Model				
	SVB05SA	SVB12SA	SVB15SA	SVB24SA	SVB48SA
Input Characteristic					
Input Voltage	AC100V				
Input Range	AC85-132V(DC110-175V)				
Input Frequency	50/60Hz				
Input Frequency Range	47-440Hz				
Phase	Single				
Inrush Current *1	30A(maximum)at AC100V				
Efficiency [%] (typical) *2	82	84	85	86	87

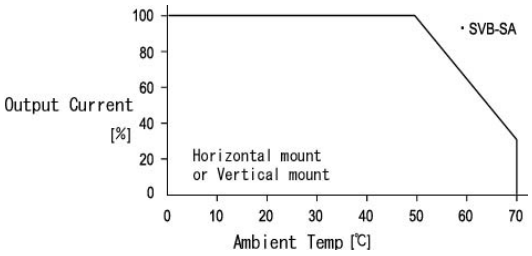
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HIGH QUALITY SWITCHING POWER SUPPLIES
ETA-USA Tel: 408-778-2793 Fax: 408-779-2753 **e-mail**: sales@eta-usa.com

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Efficiency Curve

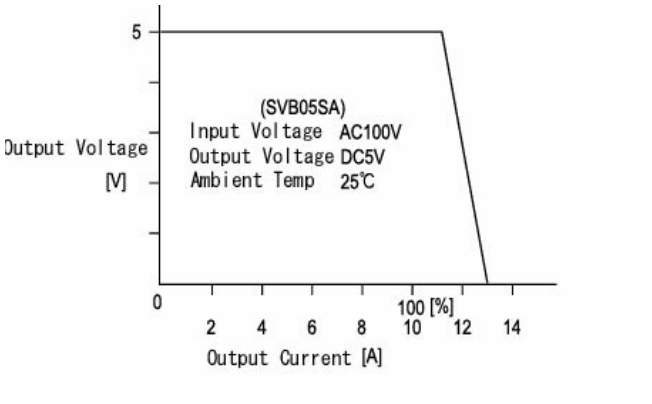


Derating Curve



SVB05SA_K

OCP Curve



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SVB**SA Specification

Specifications<AC/DC> SVB**SA 50WATTS/SINGLE	Model SVB05SA	SVB12SA	SVB15SA	SVB24SA	SVB48SA
Input Characteristic					
Output Voltage [V]	5	12	15	24	48
Output Current [A]	10.0	4.3	3.4	2.5	1.1
Voltage Adjust Range	+/- 10% of Rated Output Voltage(at no load within the input range)				
Ripple and Noise [mVp-p](maximum) *3	150	220	250	340	580
Regulation					
a.Statistic Line Regulation [mV](maximum)	40	96	120	192	384
b.Statistic Load Regulation [mV](maximum)	45	108	135	216	432
c.Temperature Coefficient *4	0.03%/℃				
d.Drift[mV](maximum) *5	40	75	90	135	255
e.Dynamic Load Regulation [mV](typical) *6	150	360	450	720	1440
f.Recovery Time *6	0.3mS(typical)				
Rise up time	500mS(maximum) at 25℃ and rated input/output				
Hold up time	20mS(minimum) at 25℃ and rated input/output				
Functions					
Overcurrent Protection ≧110% of Rated Output Current[A]	Current Limiting with automatic recovery				
	11.0	4.73	3.74	2.75	1.21
Overvoltage Protection ≧110% of Rated Output Voltage[V]	output shutdown(to reset,leave 1minute after shut-off)				
	5.50	13.2	16.5	26.4	52.8
Remote Sense	not available				
Remote On/Off	not available				
Environmental					
Operating Temperature	0 to +50℃				
Operating Humidity	85%RH(non-condensing)				
Storage Temperature	-20 to +85℃				
Storage Humidity	85%RH(non-condensing)				
Withstanding Voltage	Primary-Secondary AC1,500V for 1minute				
	Primary-Frame Ground AC1,500V for 1minute				
	Secondary-Frame Ground AC500V for 1minute				
Isolation Resistance	Primary-Secondary-Frame Ground 50MΩ(minimum) by DC500V insulation tester				
Vibration	5-10Hz:10mm double amplitude,10-55Hz:19.6m/s^2,20minutes' period for 60minutes each along X,Y,Z axes(non-operating)				
Shock	294m/s^2				
Cooling	Convection				
? Leakage Current	1mA(maximum) at 25℃,rated input/output and rated input frequency				
? Safety					
? Weight (typical)	280g				
? MTBF [H]	610,000				
? Switching Frequency[kHz](typical)	130				

Conditions:

*1 at cold start

*2 at DC130V input and rated output

*3 measured by a bayonet probe at output connector at 0 to 100MHz bandwidth

*4 at 0 to +50℃

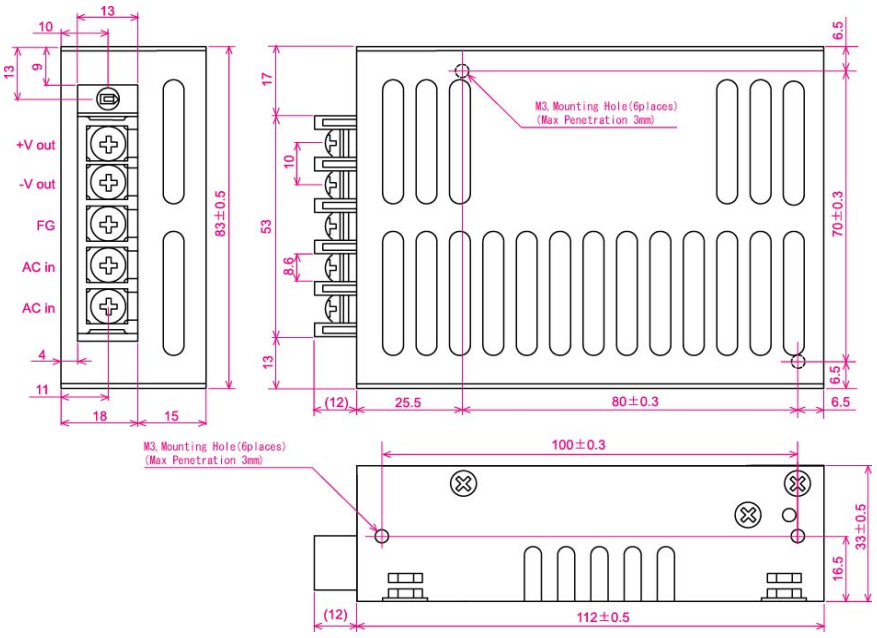
*5 for 7hour period after 1hour warm-up at 25℃ and rated input/output

*6 when output current changed from 25% to 75% of rated output current rapidly at AC100V input

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Dimension (mm)



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Mouser Electronics

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Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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