



## SVA-SD

## 25W

### SV Series

SVA-SC, SVA-SD 25W  
SVM-SC, SVM-SD 15W  
SVB-SC, SVB-SD 50W  
OUTPUT: SC SINGLE, SD DUAL  
Closed Frame



#### FEATURES

- Very small (one of the smallest in Japan)
- No derating when mounted on a horizontal surface
- Low impedance capacitors
- Over voltage protection
- EMI: Complies with FCC/A
- **Isolated Power Supply**

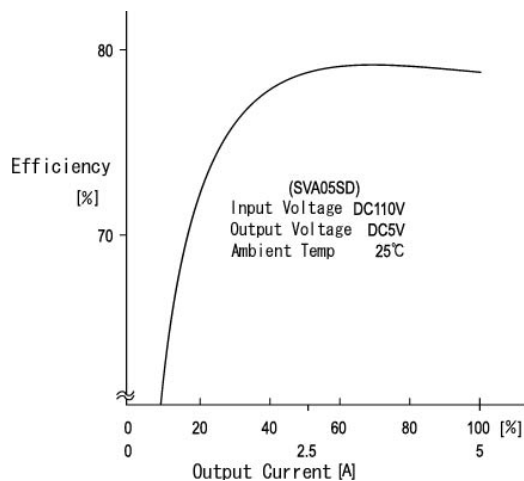
	MODEL/CHANNEL	Unit	SVA05SD	SVA12SD	SVA15SD	SVA24SD	SVA48SD
<b>OUTPUT (Single)</b>	Output Voltage <b>110V</b>	Vdc	5	1	1	4	4
	Output Current	A	5	2.1	1.7	1.1	0.5
	Line Regulation	mV	40	96	120	192	384
	Load Regulation	mVp	45	108	135	216	432
	Ripple and Noise	mVp	150	220	250	340	580
	Drift	mV	40	57	90	135	255
	Dynamic Load Regulation	mV	150	360	450	720	1440
	Voltage Adjustment Range	-	+/-10% of Rated Output Voltage(at no load within input range)				
	Rise Time	-	10mS(minimum) at 25°C and rated input/output				
	Hold Up Time	-	500mS(maximum) at 25°C and rated input/output				
	Recovery Time	-	0.3mS(typical)				
Temp Coefficient	-	0.03%/°C					
<b>Function</b>	Over Current Protection	A	Current Limiting with automatic recovery				
	105% of Rated Output Current	-	5.5	2.31	1.87	1.21	0.55
	Over Voltage Protection	-	Output shutdown (to reset, leave 1 minute after shutdown)				
	115% of Rated Output voltage	-	5.5	13.2	16.5	26.4	52.8
	Reverse Voltage Protection	-	by internal bridge diode				





MODEL/CHANNEL		Unit	SVA05SD	SVA12SD	SVA15SD	SVA24SD	SVA48SD
<b>INPUT</b>	Input Voltage 110V	Vdc	DC110V				
	Inrush Current	A	20A (maximum) at DC110V				
	Input Voltage Range	Vdc	DC85~140V				
	Ref. MTBF	H	590,000				
	Efficiency	%	78	81	82	84	83
MODEL/CHANNEL		Unit					
<b>Environment</b>	Operating Temperature	°C	0 to +50°C				
	Operating Humidity	%	85%RH(non-condensing)				
	Storage Temperature	°C	-20 to +85°C				
	Storage Humidity	%	85%RH (non-condensing)				
	Withstand Voltage Primary-Secondary	-	Primary-Secondary AC2,000V for 1 minute Primary-Frame Ground AC2,000V for 1 minute Secondary-Frame Ground AC500V for 1 minute				
	Isolation Resistance	-	Primary-Secondary-Frame Ground 50MΩ(minimum) by DC500V insulation tester				
	Vibration	-	5-10Hz: 10mm double amplitude, 10-55Hz: 19.6m/s <sup>2</sup> , 20 minutes period for 60 minutes each along X, Y, Z axes (non-operating)				
	Shock	-	294m/s <sup>2</sup>				
	Cooling	-	Convection				
	Switching Frequency	kHz	90 Fix.				
<b>Dimension</b>	Size(WxHxD) / Weight	mm/g	73Wx95Lx24H/220g				

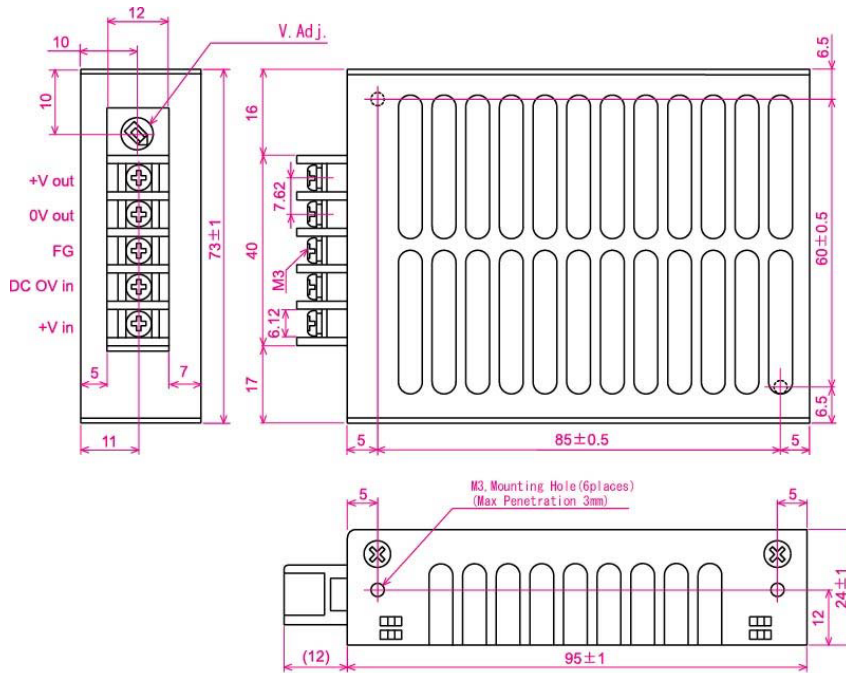
## Efficiency Curve





## Dimension Diagram (mm)

25W



## Block Diagram

