

Specifications	Model				
	SVA05SC24	SVA12SC24	SVA15SC24	SVA24SC24	SVA48SC24
SVA**SC24(25WATTS/1 OUTPUT)					
Output Voltage [V]	5	12	15	24	48
Output Current [A]	5.0	2.1	1.7	1.1	0.5
Voltage Adjust Range	+/-10% of Rated Output Voltage(at no load within input range)				
Ripple and Noise [mVp-p](maximum) *2	150	220	250	340	580
Regulation					
Statistic Line Regulation [mV](maximum)	40	96	120	192	384
Statistic Load Regulation [mV](maximum)	45	108	135	216	432
Temperature Coefficient *4	0.03%/°C				
Drift[mV](maximum) *5	40	75	90	135	255
Dynamic Load Regulation [mV](typical) *6	150	360	450	720	1440
Recovery Time *5	0.3mS(typical)				
Rise up time	100mS(maximum) at 25°C and rated input/output				
Hold up time	Not specified				
Function					
Over current Protection	Current Limiting with automatic recovery				
≥110% of Rated Output [A]	5.50	2.31	1.87	1.21	0.55
Over voltage Protection	Output shutdown(to reset, leave 1minute after shutdown)				
≥110% of Rated Output [V]	5.50	13.2	16.5	26.4	52.8
Remote Sense	not available				
Remote On/Off	not available				
Reverse Voltage Protection	by internal fuse				
Environment					
Operating Temperature	0 to +50°C				
Operating Humidity	85%RH(non-condensing)				
Storage Temperature	-20 to +85°C				
Storage Humidity	85%RH(non-condensing)				
Withstanding Voltage	Primary-Secondary AC2,000V for 1minute				
	Primary-Frame Ground AC2,000V 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				

Conditions:

*1 at DC24V and rated output

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

*3 at 0 to +50°C

*4 for 7hours from 1hour after switch-on at 25°C and rated input/output

*5 when output current changed from 25% to 75% of rated output current rapidly at DC24V input

25 WATT DC-DC CONVERTER SVA-SC24 SERIES

Specifications SVA**SC24 25WATTS/1 OUTPUT	Model				
	SVA05SC24	SVA12SC24	SVA15SC24	SVA24SC24	SVA48SC24
Input Characteristic					
Input Voltage	DC24V				
Input Range	DC19-32V				
Inrush Current	Not specified				
Efficiency [%] (typical) *1	79	81	83	85	86

Dimension (mm)

