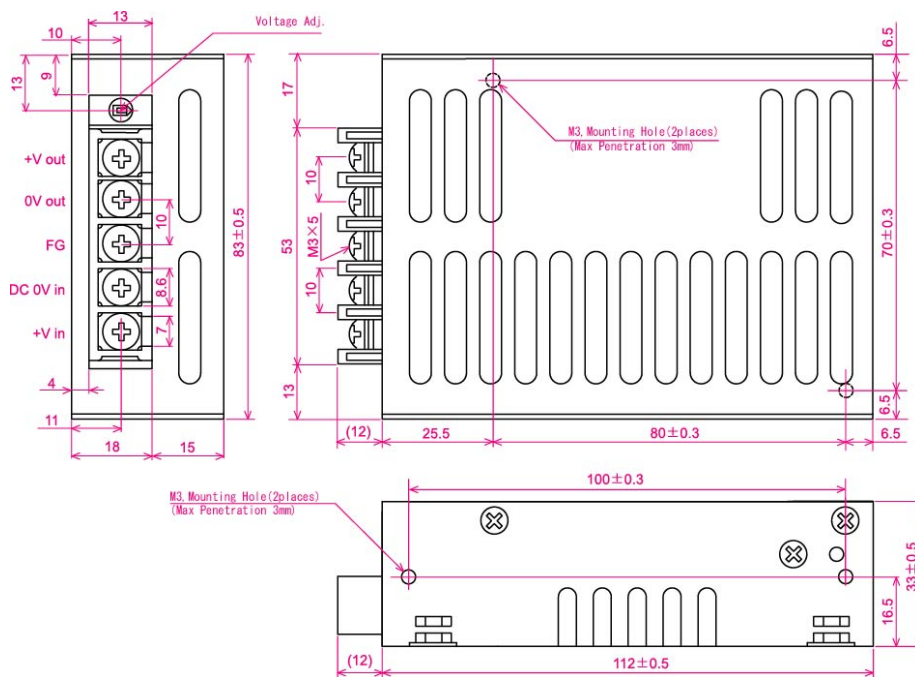


50 WATT DC-DC CONVERTER SVB-SC12 SERIES

Specifications SVB**SC12 50WATTS/1 OUTPUT	Model				
	SVB05SC12	SVB12SC12	SVB15SC12	SVB24SC12	SVB48SC12
Input Characteristic					
Input Voltage	DC12V				
Input Range	DC9.2-16V				
Inrush Current	Not specified				
Efficiency [%] (typical) *1	79	80	82	85	85

Dimension (mm)



Specifications SVB**SC12(50WATTS/1 OUTPUT)	Model				
	SVB05SC12	SVB12SC12	SVB15SC12	SVB24SC12	SVB48SC12
Output Characteristic					
Output Voltage [V]	5	12	15	24	48
Output Current [A]	8.0	3.3	2.7	1.7	0.8
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 *3	0.03%/°C				
Drift [mV](maximum) *4	40	75	90	135	255
Dynamic Load Regulation [mV](typical) *5	150	360	450	720	1440
Recovery Time *5	0.3mS(typical)				
Rise up time	50mS(maximum) at 25°C and rated input/output				
Hold up time	Not specified				
Functions					
Over current Protection	Current Limiting with automatic recovery				
≥110% of Rated Output [A]	8.80	3.63	2.97	1.87	0.88
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				
Environmental					
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				
□ Line Conduction Noise	Not specified				
□ Safety	-				
Weight (typical)	410g				

Conditions:

*1 at DC12V 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 DC12V input



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