



SVM-SD

15W

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

- No derating when mounted on a horizontal surface
- Low impedance capacitors
- Over voltage protection
- EMI: Complies with FCC/A
- Compact Package
- **Isolated Power Supply**



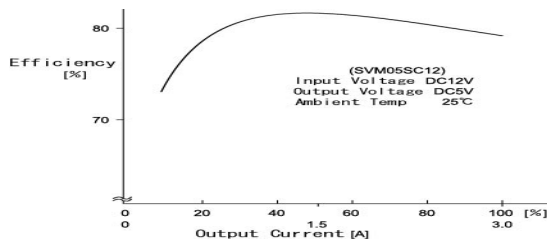
	MODEL/CHANNEL	Unit	SVM05SD	SVM12SD	SVM15SD	SVM24SD	SVM48SD
OUTPUT (Single)	Output Voltage 110V	Vdc	5	12	15	24	48
	Output Current	A	3	1.3	1	0.7	0.35
	Line Regulation	mV	40	96	120	192	384
	Load Regulation	mVp	45	108	135	216	432
	Ripple and Noise	mVp	150	220	250	340	580
	Drift	mV	40	75	90	135	255
	Dynamic Load Regulation	mV	150	360	450	720	1440
	Voltage Adjustment Range	-	500mS(maximum) at 25°C and rated input/output				
	Rise Time	-	+/-10% of Rated Output Voltage(at no load within input range)				
	Recovery Time	-	0.3mS(typical)				
Temp Coefficient	-	0.03%/°C					
Function	Over Current Protection	A	Current Limiting with automatic recovery				
	105% of Rated Output Current	-	3.3	1.43	1.1	0.77	0.39
	Over Voltage Protection	-	Output shutdown(to reset,leave 1minute after shutdown)				
	115% of Rated Output voltage	-	5.5	13.2	16.5	26.4	52.8
	Reverse Voltage Protection	-	by internal bridge diode				



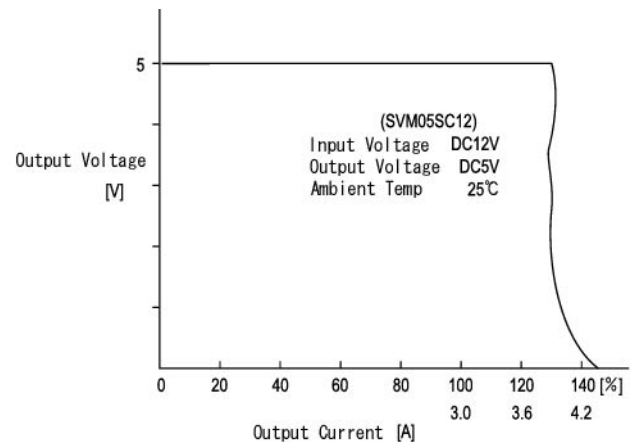


MODEL/CHANNEL		Unit	SVM05SD	SVM12SD	SVM15SD	SVM24SD	SVM48SD
INPUT	Input Voltage 110V	Vdc	DC110V				
	Inrush Current	H	20A (maximum) at DC110V				
	Input Voltage Range	Vdc	DC85-140V				
	Ref. MTBF	H	600,000				
	Efficiency	%	81	83	84	86	86
MODEL/CHANNEL		Unit					
Environment	Operating Temperature	°C	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 AC2000V for 1 minute 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 , 20 minutes period for 60minutes each along X,Y,Z axes(non-operating)				
	Shock	-	294m/s ²				
	Cooling	-	Convection				
	Switching Frequency	kHz	90 Fix.				
Dimension	Weight	g	120g				

Efficiency Curve



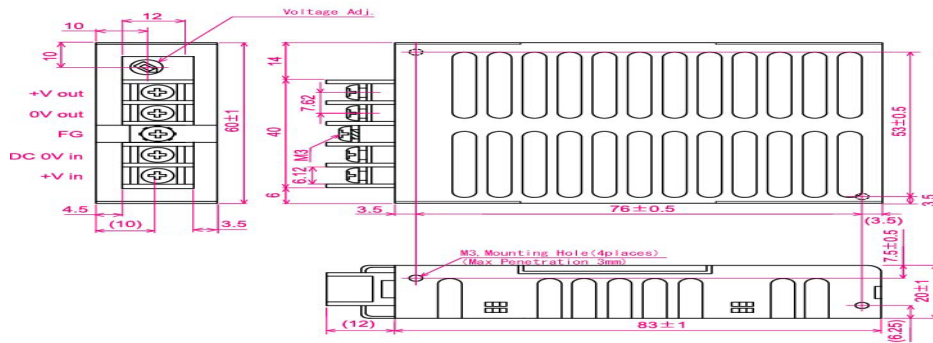
OCP Curve





Dimension Diagram (mm)

15W



Block Diagram

