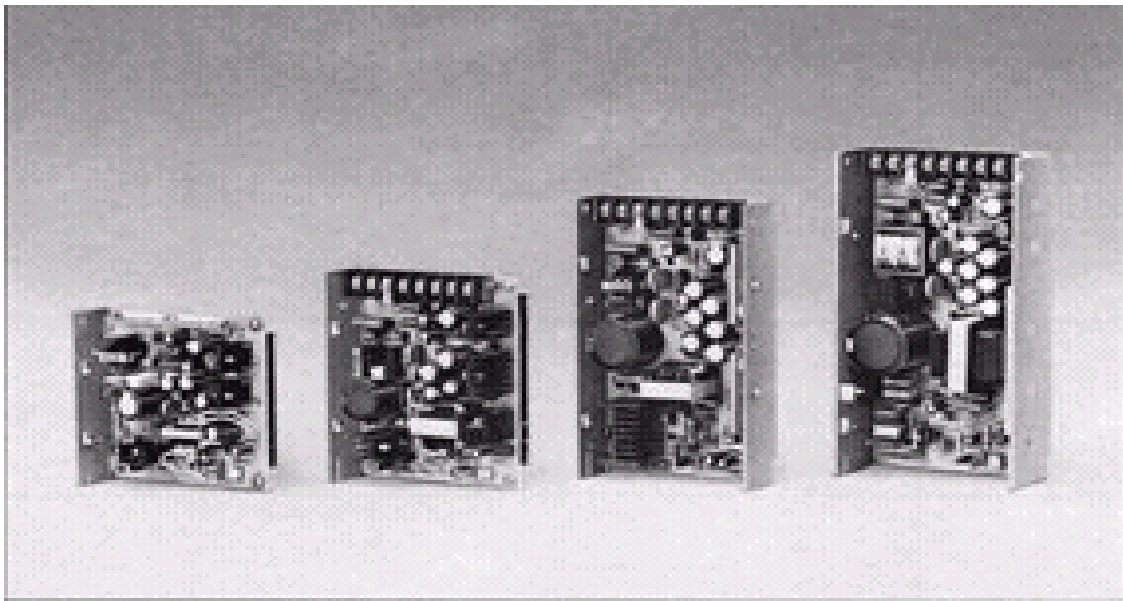


SSS SERIES

Multiple Outputs and Open/Covered Frame Switch Mode Power Supplies

Features:

- Meets FCC Class B
- Built-in EMI filter
- Meets UL, CSA and VDE approvals
- AC, DC input
- LED Display
- Built-in inrush current limiter circuit
- Insulated output between +5V and $\pm 12V(\pm 15V)$



Sanken

Sanken/Allegro 3100 Tower Blvd. 5th Fl. University Tower, Durham, NC 27707 Phone: (888)888-4914 Fax: (919)402-8540
E-mail: allegro@intrex.net

	Rating	9.8/11 W (1A)		16/17.5 W (2A)	
		SSS50112	SSS50115	SSS50212	SSS50215

Item			Conditions																							
Input	Rated Input Voltage		AC100V or DC130V																							
	Input Voltage Range		AC85~132V or DC110~170V																							
	Input Current	Rated input/output conditions	0.35A (typ)						0.5A (typ)																	
	Inrush Current		30A (typ)																							
	Rated Frequency Range		50/60Hz (Frequency Range 48~440Hz)																							
	Power Factor		N/A																							
	Harmonic Attenuator		N/A																							
	Efficiency(typ)	Rated input/output conditions	60%						62%																	
Output	Rated Output Voltage		+5V	+12V	-12V	+5V	+15V	-15V	+5V	+12V	-12V	+5V	+15V	-15V												
	Adjustable Output Voltage Range		Fixed																							
	Rated Output Current		1A	0.2A	0.2A	1A	0.2A	0.2A	2A	0.3A	0.2A	2A	0.3A	0.2A												
	Adjustable Output Current Range		0.1~1A	0~0.2A	0~0.2A	0.1~1A	0~0.2A	0~0.2A	0.3~2A	0~0.3A	0~0.2A	0.3~2A	0~0.3A	0~0.2A												
	Rated Output Power		9.8W			11W			16W			17.5W														
	Ripple Noise(mVp-p)	Rated input/output condition	100	150	150	100	150	150	100	150	150	100	150	150												
	Constant Voltage Accuracy		±3%	±5%	±5%	±3%	±5%	±5%	±3%	±5%	±5%	±3%	±5%	±5%												
	Other	Leakage Current	Rated input/output conditions	0.4mA (max)																						
Startup Time		100ms (typ)						40ms (typ)			60ms(typ)															
Switching Method, Operating Frequency		RCC topology, approx. 30kHz (under rated input/output conditions)																								
Output Holdup Time		Rated input/output conditions	20ms (max)																							
Additional Functions	Over Current Protection		Yes																							
	Over Voltage Protection		N/A																							
	Remote Sensing		N/A																							
	Remote On/Off Control		N/A																							
	Thermal Protection		N/A																							
	Parallel Operation		N/A																							
	Protection Circuit Display		N/A																							
	Display		LED Display																							
Environmental	Operating Temperature		0~+50°C (covered: 0~+40°C)																							
	Storage Temperature		-25~+80°C																							
	Operating Humidity		30~90% (No Condensation)																							
	Storage Humidity																									
Insulation	Insulation Withstad Voltage	Input to Output	AC1500V for 1 minute																							
		Input to Frame																								
		Output to Frame													AC500V for 1 minute											
	Insulation Resistance	Input to Output	100MΩ (measured with DC500V with Megger)																							
		Input to Frame																								
		Output to Frame																								
Structural Specifications	Vibration Resistance		10~55Hz 1G 1 hour (X,Y,and Z directions vibration time)																							
	Cooling Requirements		Natural Convection																							
	External Appearance (W x D x H) mm		35 x 99 x 97						35 x 120 x 97																	
	Weight (g)		Approx. 220 (without cover)						Approx. 310 (without cover)																	
Applicable Standards	Conducted Emissions		FCC Part 15-J Class B																							
	Safety Standards		UL478 Class 4 CSA Electrical Bulletin 1402C																							
			Rating	33/30 W (3A)						61/55 W (5A)																
				SSS50312			SSS50315			SSS50512			SSS50515													

Item			Conditions											
Input	Rated Input Voltage		AC100V or DC130V											
	Input Voltage Range		AC85~132V or DC110~170V											
	Input Current	Rated input/output conditions	0.9A (typ)						1.8A (typ)					
	Inrush Current		30A (typ)											
	Rated Frequency Range		50/60Hz (Frequency Range 48~440Hz)											
	Power Factor		N/A											
	Harmonic Attenuator		N/A											
	Efficiency(typ)	Rated input/output conditions	65%											
Output	Rated Output Voltage		+5V	+12V	-12V	+5V	+15V	-15V	+5V	+12V	-12V	+5V	+15V	-15V
	Adjustable Output Voltage Range		Fixed											
	Rated Output Current		3A	1.2A	0.3A	3A	0.5A	0.5A	5A	2.5A	0.5A	5A	1.5A	0.5A
	Adjustable Output Current Range		0.5~3A	0~1.2A	0~0.3A	0.5~3A	0~0.5A	0~0.5A	1~5A	0~2.5A	0~0.5A	1~5A	0~1.5A	0~0.5A
	Rated Output Power		33W			30W			61W			55W		
	Ripple Noise(mVp-p)	Rated input/output condition	100	150	150	100	150	150	100	150	150	100	150	150
	Constant Voltage Accuracy		±3%	±5%	±5%	±3%	±5%	±5%	±3%	±5%	±5%	±3%	±5%	±5%
	Other	Leakage Current	Rated input/output conditions	0.4mA (max)										
Startup Time		60ms (typ)			55ms (typ)			210ms (typ)						
Switching Method, Operating Frequency		RCC topology, approx. 30kHz (under rated input/output conditions)												
Output Holdup Time		Rated input/output conditions	20ms (max)											
Additional Functions	Over Current Protection		Yes											
	Over Voltage Protection		N/A											
	Remote Sensing		N/A											
	Remote On/Off Control		N/A											
	Thermal Protection		N/A											
	Parallel Operation		N/A											
	Protection Circuit Display		N/A											
	Display		LED Display											
Environmental	Operating Temperature		0~+50°C (covered: 0~+40°C)											
	Storage Temperature		-25~+80°C											
	Operating Humidity		30~90% (No Condensation)											
	Storage Humidity													
Insulation	Insulation Withstad Voltage		Input to Output		AC1500V for 1 minute									
			Input to Frame											
			Output to Frame											
	Insulation Resistance		Input to Output		100MΩ (measured with DC500V with Megger)									
			Input to Frame											
			Output to Frame											
Structural Specifications	Vibration Resistance		10~55Hz 1G 1 hour (X,Y,and Z directions vibration time)											
	Cooling Requirements		Natural Convection											
	External Appearance (W x D x H) mm		37 x160 x 97						48 x 186 x 97					
	Weight (g)		Approx. 480 (without cover)						Approx. 600 (without cover)					
Applicable Standards	Conducted Emissions		FCC Part 15-J Class B											
	Safety Standards		UL478 Class 4 CSA Electrical Bulletin 1402C											