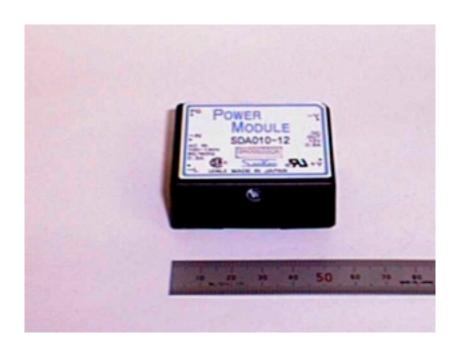
SDA SERIES

Single Output, AC/DC Module

Features:

- Meets UL1950, CSA C22.2 No. 234, Dentori, FCC Class B, VCCI No.2 for conducted noise
- Miniature Size, 43mm x 50mm x 19mm
- Light Weight, 67g
- Input AC100V~AC120V
- 5W and 10W with 5V and 12V outputs
- Natural Convection
- RCC topology
- Available to apply directly to substrate





		Rating	5 W		10 W	
Item		Conditions	SDA005-05	SDA005-12	SDA010-05	SDA010-12
Input	Rated Input Voltage		AC100-120V			
	Input Voltage Range		AC85~132V			
	Input Current Rated input/output conditions		0.15A(typ) 0.26A(typ)			
	Inrush Current		30A (max) 25A(max)			
	Rated Frequency Range		50/60Hz (Frequency Range 47~440Hz)			
	Efficiency(typ) Rated input/output conditions		72%	76%	72%	76%
Output	Rated Output Voltage		+5V	+12V	+5V	+12V
	Adjustable Output Voltage Range		Fixed			
	Rated Output Current		1.0A	0.45A	2.0A	0.9A
	Adjustable Output Current Range		0~1.0A	0~0.45A	0~2.0A	0~0.9A
	Maximum Output Power		5W	5.4W	10W	10.8W
	Ripple Rated input/output condition Noise(mVp-p)		120	150	120	150
	Constant Voltage Accuracy		±5%			
	Leakage Current Rated input/output		0.5mA			
Other	conditions		O.S.III. I			
	Startup Time		20ms (typ)	100ms (typ)	20ms (typ)	100ms (typ)
	Switching Method, Transformer Frequency		RCC topology, approx. 100kHz (under rated input/output conditions)			
		ted input/output	10ms (typ)			
	111110	nditions				
Additional Functions	Over Current Protection		Detection above approx. 120% of rated current			
	Over Voltage Protection		Detection above approx. 114~145% of rated voltage			
	Remote Sensing		N/A			
	Remote On/Off Control		N/A			
	Display		N/A			
Environmental	Operating Temperature		It shall be operated by 80% of rated current at -10~0°C and 50~60°C			
			-10~+60°C			
	Storage Temperature		-25~+85°C			
	Operating Humidity		20 222 27 2 1			
	Storage Humidity		30~90% (No Condensation)			
Insulation	Insulation Withstad	Between Input and				
	Voltage	Output	AC2	000V for 1 minute /	ute / AC2400V for 3 seconds	
		Between Input and Frame				
		Between Output and	AC500V for 1 minute / AC600V for 3 seconds			
	T 1 1 D 1	Frame				
	Insulation Resistance	Between Input and Output	$100 \mathrm{M}\Omega$ (measured with 500V DC Megger)			
		Between Input and				
		Frame		JOINISZ (IIICASUICU W	illi 300 v DC iviegge	51 <i>)</i>
		Between Output and Frame				
IS	Vibration Resistance		10~55Hz 10G 1 hour (X,Y,and Z directions with 3 min. vibration time)			
Structural Specifications	Cooling Requirements		Natural Convection			
	External Appearance (W x D x H) mm		43 x 5	0 x 19	43 x 55 x 20	
	Weight (g)		6	7	84	
Applicable Standards	Safety Standards		1			
			UL1950,CSA C22.2 No.234,Dentori			
	EMI Standards		Pag di Privagi di A			
Ap Sta			FCC Class B, VCCI Class 2			
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