

DATA SHEET

AC to DC Bench Top Adapter, Model no. SABT5

- High efficiency and high reliability
- Single/Multiple Output
- Optional Output connectors
- Optional Input plugs
- Output voltage between 3.3V to 48V
- Maximum Output power of 100W
- Universal Input 85V ~ 300VAC
- Compact and low profile design
- Short circuit protection



SPECIFICATIONS

PARAMETER	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
• INPUT CHARACTERISTICS					
Input Voltage		85		300	VAC
Input Frequency		47		63	Hz
Input Current					A (rms)
Safety ground leakage current	@240VAC, 50Hz			0.75	mA
• OUTPUT CHARACTERISTICS					
Output Voltage	Refer to rating chart	3.3		48	VDC
Output Current	Refer to rating chart			6	ADC
Output Power	Refer to rating chart			100	Watts
Multiple Outputs		As per custom requirements			
Ripple & Noise		1% Peak to Peak Maximum			
Over Current Protection	Output protected for short circuit conditions				
Temperature Coefficient	±0.04% / °C maximum				
MTBF	50,000 hours, optional				
• ENVIRONMENTAL CHARACTERISTICS					
Operating temperature		0		+40	°C
Storage temperature		-20		+85	°C
Relative humidity	Non-condensing	5		95	%
De-rating	From 100% @ +40°C de-rating linear to 50% @ +70°C				
• GENERAL SPECIFICATIONS					
Efficiency		70			%
Hold-up time				8	Sec
Line regulation			±1		%
Load regulation			±5		%
Dimension	L x W x H	135 x 70 x 52			mm
Insulation resistance	50M ohm minimum from Output to ground				
EMI requirement	Meets conduction limits of FCC part 15 class B & CISPR 22 class B				
Inrush current	80A maximum at 25°C ambient temperature				
Withstand voltage	3KVAC between Input & Output				
All specifications apply at 25°C unless otherwise noted					



RATING CHART			
MODEL NO.	O/P VOLTAGE in VDC	O/P CURRENT in AMPS	O/P POWER in WATTS
SABT4A	15	5.5	82.5
SABT4B	15	6	90
SABT4C	18	4.5	81
SABT4D	18	5	90
SABT4E	18	5.5	99
SABT4F	24	3.5	84
SABT4G	24	4	96
SABT4H	36	2.5	90
SABT4I	48	2	96

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