

## DATA SHEET

### AC to DC Bench Top Adapter, Model no. SABT1

- High efficiency and high reliability
- Single Output
- Optional Output connectors
- Optional Input plugs
- Output voltage between 3.3VDC to 15VDC
- Maximum Output power of 20W
- Universal Input 85V ~ 300VAC
- Compact and low profile design
- Short circuit protection



### SPECIFICATIONS

PARAMETER	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
<b>• INPUT CHARACTERISTICS</b>					
Input Voltage		85		300	VAC
Input Frequency		47		63	Hz
Input Current					A (rms)
Safety Ground Leakage Current	@ 240VAC, 50Hz			0.75	mA
<b>• OUTPUT CHARACTERISTICS</b>					
Output Voltage	Refer to rating chart	3.3		15	VDC
Output Current	Refer to rating chart			2	ADC
Output Power	Refer to rating chart			20	Watts
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				
<b>• ENVIRONMENTAL CHARACTERISTICS</b>					
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				
<b>• GENERAL SPECIFICATIONS</b>					
Efficiency		70			%
Hold-up time				8	Sec
Line regulation			±1		%
Load regulation			±5		%
Dimension	L x W x H	87 x 46 x 34			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				
<b>All specifications apply at 25°C unless otherwise noted</b>					



RATING CHART			
MODEL NO.	O/P VOLTAGE in VDC	O/P CURRENT in AMPS	O/P POWER in WATTS
SABT1A	3.3	1	3.3
SABT1B	3.3	1.5	4.95
SABT1C	3.3	2	6.6
SABT1D	5	1	5
SABT1E	5	1.5	7.5
SABT1F	5	2	10
SABT1G	7.5	1	7.5
SABT1H	7.5	1.5	11.25
SABT1I	7.5	2	15
SABT1J	9	1	9
SABT1K	9	1.5	13.5
SABT1L	9	2	18
SABT1M	12	1	12
SABT1N	12	1.5	18
SABT1O	15	0.75	11.25
SABT1P	15	1.25	18.75

**Silicon Technologies:-** #82, Thimmiah Main Road, West of Chord Road, Rajajinagar, Bangalore – 560 044, India. Tel: +91 80 2350 6490, 2350 6595, Fax: +91 80 2350 6595, E-mail: [silicontigs@satyam.net.in](mailto:silicontigs@satyam.net.in)