

**SB15 Watt Range**  
Desktop Power Supply

**STONTRONICS**  
THE POWER TO SUPPLY



**SPECIFICATIONS:**

**Input Voltage** 90~264 VAC

**Input Frequency** 47~63Hz

**Input Current** 0.9A(rms)

**Operation Temperature** 0 C~40 C

**Storage Temperature**-10 C~+85 C

**EMICE, FCC CLASS B, CISPR22 CLASS B**

**Line Regulation** +-1%MAXIMUM

**Hold-up Time** 10 msec at 115Vac

**Inrush Current** 30 Amps @ 100Vac

**Withstand Voltage**

3000 Vac from input to output

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## SPECIFICATION

### 1. INPUT VOLTAGE/FREQUENCY

RATE VOLTAGE 100~250VAC 47-63Hz  
 OPERATING VOLTAGE 90~264VAC 47-63Hz

### 2. INPUT CURRENT (NO LOAD)

AC 40mA MAX. 120VAC 50/60Hz  
 AC 40mA MAX. 220VAC 50/60Hz

### 3. INPUT RATED CURRENT

15W 0.4A rms AT AC LOW LINE 90VAC INPUT AND DC OUTPUT  
 FULL LOAD

### 4. OUTPUT VOLTAGE

30 VDC LOAD REGULATION  $\pm 5\%$   
 LINE REGULATION  $\pm 1\%$

### 5. OUTPUT CURRENT

30 VDC RATE 0.5A  
 MIN 0A  
 PEAK 0.7A

### 6. RIPPLE AND NOISE

300mVp-p MAX.  
 \* 20MHZ BANDWIDTH, PEAK TO PEAK, MEASURED DIFFERENTIALLY.  
 100UF ELECTROLYTIC CAPACITOR ACROSS LOAD.

### VOLTAGE PROTECTION

32V MAX. (OUTPUT VOLTAGE OVER VOLTAGE PROTECTION POINT,  
 POWER SUPPLY UNIT WILL BE NO OUTPUT).

### 8 EFFICIENCY

75% TYPICAL AT 120/220VAC 50/60Hz INPUT AND RATED OUTPUT  
 FULL LOAD

### 9 HOLD-UP TIME

10mS MIN AT 120VAC INPUT AND RATED OUTPUT FULL LOAD

REVISION				MODEL NO.: SB-300B5F-11		
NO	DATE	DESCRIPTION	REVISER	APPROVED	CHECKED	DSGN.
				<i>[Signature]</i>	<i>[Signature]</i>	

## SPECIFICATION

- 10. TOTAL OUTPUT POWER  
15W
- 11. SHORT CIRCUIT PROTECTION  
NO DAMAGE,SMOKELESS,FIRELESS AUTO-RECOVER
- 12. HI-POT TEST  
3000VAC FOR ONE MINUTE BETWEEN PRIMARY AND SECONDARY
- 13. INSULATION RESISTANCE  
500VDC FOR 100MΩMIN. BETWEEN PRIMARY AND SECONDARY
- 14. TEMPERATURE AND HUMIDITY
  - OPERATING TEMPERATURE    -10 DEGREES C TO 40 DEGREES C.
  - OPERATING HUMIDITY        5% TO 90% RH.(RELATIVE HUMIDITY).
  - STORAGE TEMPERATURE    -20 DEGREES C TO 70 DEGREES C.
  - STORAGE HUMIDITY         5% TO 95% RH (RELATIVE HUMIDITY).
- 15. WEIGHT  
160g(MAX)
- 16. DROP TEST  
PRODUCTS SHALL BE DROPPED FROM A HEIGHT OF 100cm ON TO A WOODEN PLATE 3cm THICK OF WHICH NO ABNORMAL CONDITION OCCURS.
- 17. ENCOSURE
  - SIZE(L\*W\*H)    81.5mm\*40.5mm\*37mm
  - MATERIAL       94V-1
  - WHITE HIGH IMPACT PLASTIC
  - ATTACHED DRAWING

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### 18. SAFETY

APPROVED      UL E 182296  
                          CUL  
                          TUV S2054411  
 MEET              CE

### 19. POLARITY

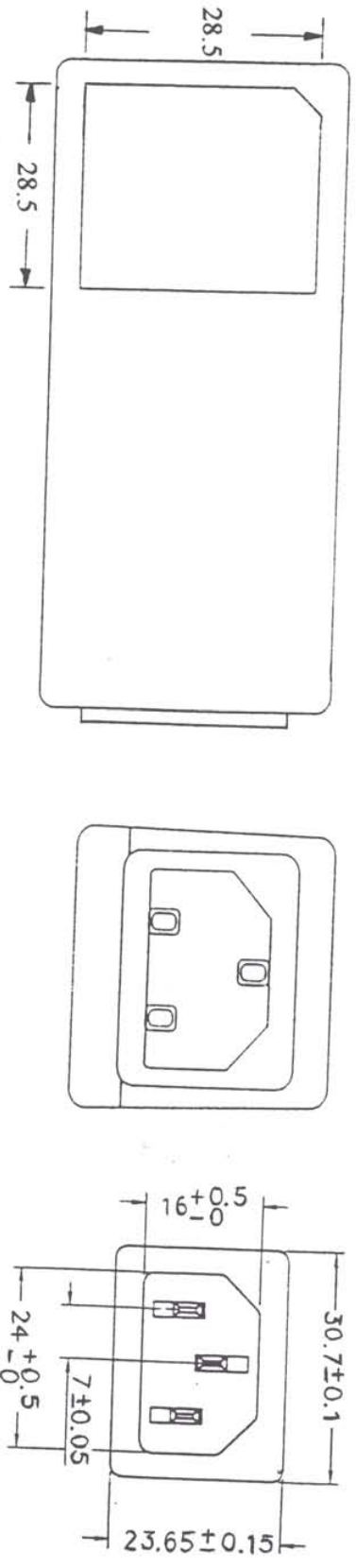
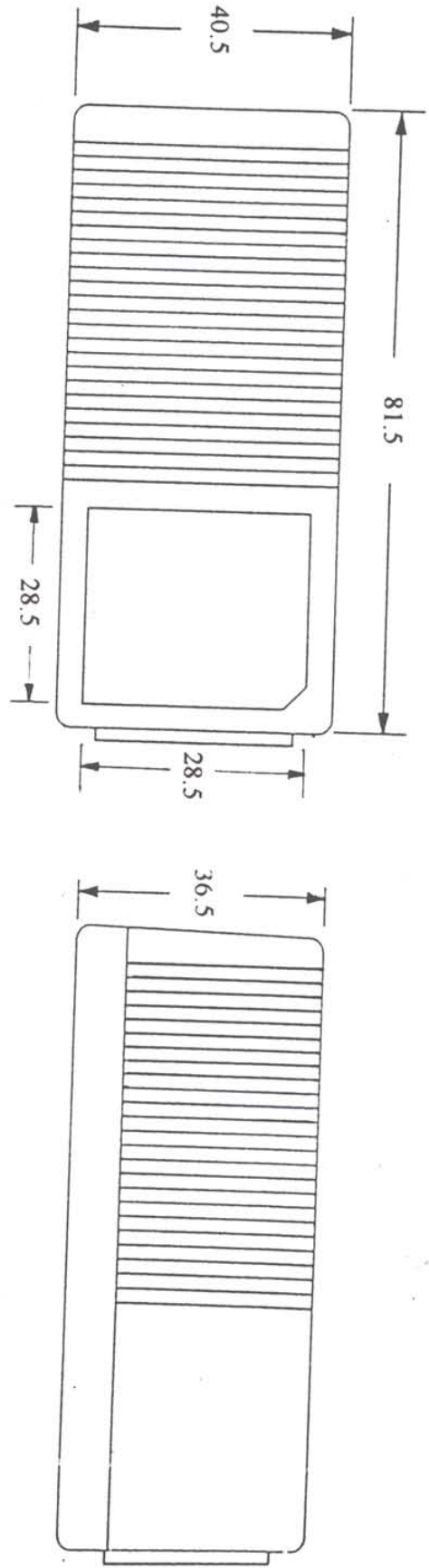
( ) CENTER POSITIVE   ( ) CENTER NEGATIVE   ( ) OTHERS

### 20. CORD BENDING TEST

THE CORD SHALL WITHSTAND A WEIGHT OF 300-500g, IT SWINGS FROM LEFT TO RIGHT AN ANGLE OF 60 DEGREES AT A TOTAL OF 2,000 TIMES

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Tolerance: ± 1mm



Unit: mm

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REVISION						PART NAME: CASE	MODEL NO: S13 SERIES	DRAWING NO.: SB-F	
ISSUE	ZONE	DESCRIPTION	DATE	REVISOR	DEPT:	APPRD:	CKD:	DSGN:	DWG:
1	2	3	4	5	6	7	8	9	10
						<b>R&amp;D</b>			