



# ETA-USA

## HIGH QUALITY SWITCHING POWER SUPPLIES

AC/DC MEDICAL GRADE  
SWITCHING DESKTOP ADAPTER  
POWER SUPPLY WITH PFC  
SINGLE OUTPUT / UNIVERSAL RANGE INPUT  
250 WATTS

### MTE250-SX-W-C2 Series



Dimension: L188.5×W104.5×H60mm



#### General Description

#### Features

1. Built-in DC fan with speed control (40x40x10mm)
2. Earth leakage current <228uA @264VAC
3. 3-pole IEC320-14 AC inlet
4. Fully meets CEC, ERP, EISA efficiency level V requirements
5. 2 year warranty
6. Green functions+ No load power consumption <.3 W

#### Input

**Input Voltage Range:** 90-264VAC

**Frequency:** 47-63Hz

**Input Current (rms):** 3.5A @ 90Vac;  
1.7A @ 264Vac max.

**Inrush current:** <65A peak @115VAC,  
<130A peak at 230VAC cold start at 25°C

**Power Factor:** >0.95 (115VAC100%Load)  
>0.9 (230VAC full load)

**Efficiency :** >87% @ full load,  
115VAC/230VAC





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Environmental Specification	
Operating Temperature	0 to +60°C (derate linearly 2.5% / °C from 41 to 60°C)
Storage Temperature	-20 to +85°C
MTBF demonstrated	>140,000 hours at full load and 25 °C ambient temperature
Humidity	10%~95%
Environmental Agencies	
Safety Standards	UL 60601 -1 3 <sup>rd</sup> ed CSA 22.2-No.60601-1 3 <sup>rd</sup> ed TUV EN60601-1 3 <sup>rd</sup> ed IEC 60601-1 3 <sup>rd</sup> ed
EMC Standards	FCC PART 18 Class B, EN60601-1-2, CE, EN55011 CLASS B
Protection	
Short circuit protection	Auto Recover
Over Load Protection	Auto Recover
Over Voltage Protection	LATCH, AC Recycle
Mechanical	
Dimension [mm]: L188.5×W104.5×H60mm	
Weight: 1005 grams	
AC Input : IEC 320-C14	

Output Characteristic	Unit	Models						
		MTE250-12SX-F-W-C2	MTE250-16SX-F-W-C2	MTE250-19SX-F-W-C2	MTE250-20SX-F-W-C2	MTE250-24SX-F-W-C2	MTE250-36SX-F-W-C2	MTE250-48SX-F-W-C2
Output Voltage	Vdc	12	16	19	20	24	36	48
Output Current	A	20.83	15.63	13.16	12.5	10.42	6.94	5.21
Power	W	250						
O/P Regulation		±5%						
Ripple & Noise(max)*3	mVpp	240	300	300	300	300	300	300
Rise up time	mS	>16ms typical at full load @ 115VAC						
* Peak-to-peak with 20MHz bandwidth with a tantalum 10uF in parallel with a 0.1uF ceramic capacitor.								



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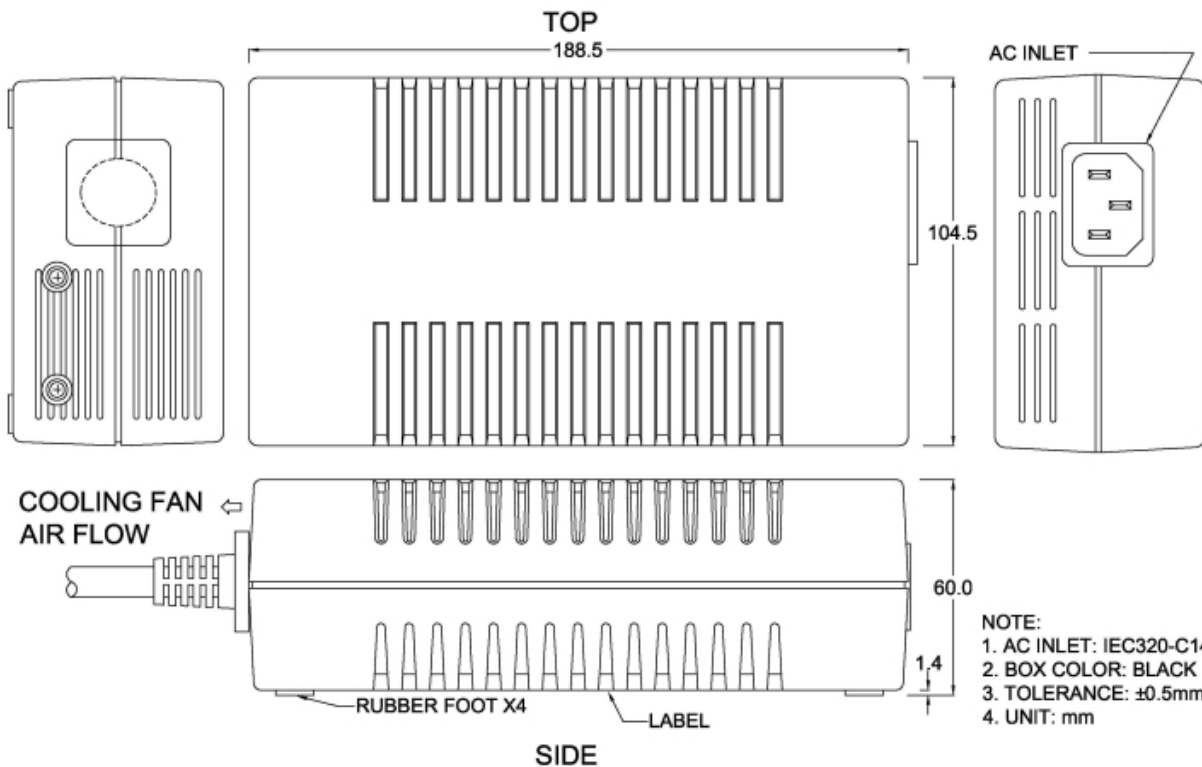
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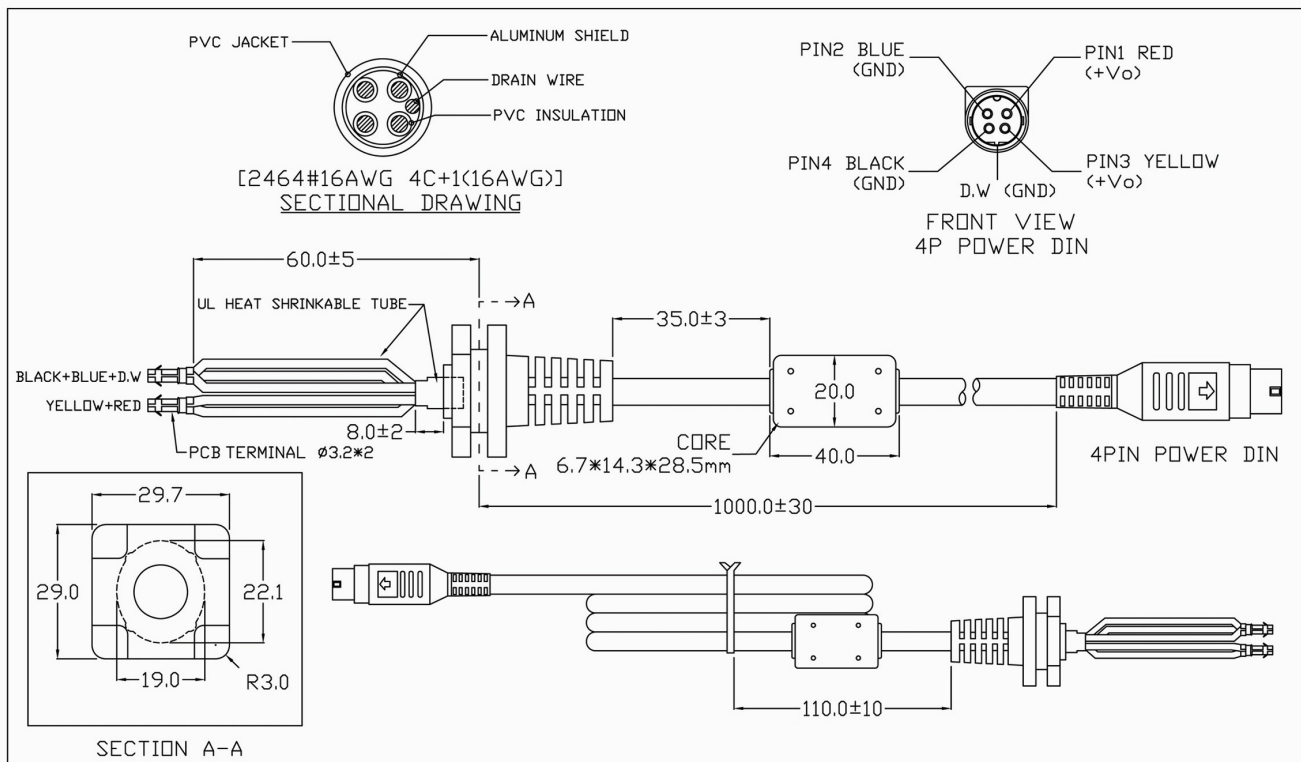
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