



# ETA-USA

HIGH QUALITY SWITCHING POWER SUPPLIES

AC/DC SWITCHING ADAPTER

250 WATTS

AC INPUT 90-264 VAC

SINGLE OUTPUT

## DTE250-SX-F-W-C2



Dimension : L188.5×W104.5×H60mm



### Input

|                       |                                       |
|-----------------------|---------------------------------------|
| Input Voltage Range:  | 90-264VAC                             |
| Frequency:            | 47-63Hz                               |
| Input Current (RMS) : | 3.5A max.@ 90VAC<br>1.5A max.@ 264VAC |
| Power Factor:         | >0.9 (100% Load,<br>115VAC/230VAC)    |
| Efficiency :          | >87% @ full load, 115VAC              |

### General Description

### Features

1. High Reliability
2. AC Input : IEC 320-C14 Inlet
3. 100% Burn-in tested
4. 100% Hi-pot tested
5. 40mm cooling fan w/fan speed control
6. No load power consumption <500mW
7. Meets CEC and Energy Star level V
8. Short circuit protection, over load protection, over voltage protection



ETA USA

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## HIGH QUALITY SWITCHING POWER SUPPLIES

| Environmental Specification |                                                             |
|-----------------------------|-------------------------------------------------------------|
| Operating Temperature       | -20 to +40°C                                                |
| Storage Temperature         | -10 to +85 °C                                               |
| Humidity                    | 10~90%                                                      |
| MTBF demonstrated           | >140,000 hours at full load and 25 °C ambient temperature   |
| Environmental Agencies      |                                                             |
| Safety Standards            | UL 60950-1 CSA 22.2-No.60950-1 TUV EN60950-1 CB IEC 60950-1 |
| EMI Standards (Meet)        | FCC Class B CISPR 22 Class B EN 55022 Class B CE            |
| Protection                  |                                                             |
| Short circuit protection    | Auto-recover                                                |
| Over Voltage Protection     | Latch, AC recycle                                           |
| Over Load Protection        | Auto-recover                                                |
| Mechanical                  |                                                             |
| Dimension [mm]              | L188.5×W104.5×H60mm                                         |
| Weight (g)                  | 1060g                                                       |

| Output Characteristic   | Unit  | DTE250-12SX-F-W-C2                  | DTE250-16SX-F-W-C2 | DTE250-19SX-F-W-C2 | DTE250-20SX-F-W-C2 | DTE250-24SX-F-W-C2 | DTE250-36SX-F-W-C2 | DTE250-48SX-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               |
| Output Power            | W     | 250                                 |                    |                    |                    |                    |                    |                    |
| O/P Regulation          | %     | ±5%                                 |                    |                    |                    |                    |                    |                    |
| Ripple & Noise (Vp-p) * | mVp-p | 240                                 | 300                | 300                | 300                | 300                | 300                | 300                |
| Hold-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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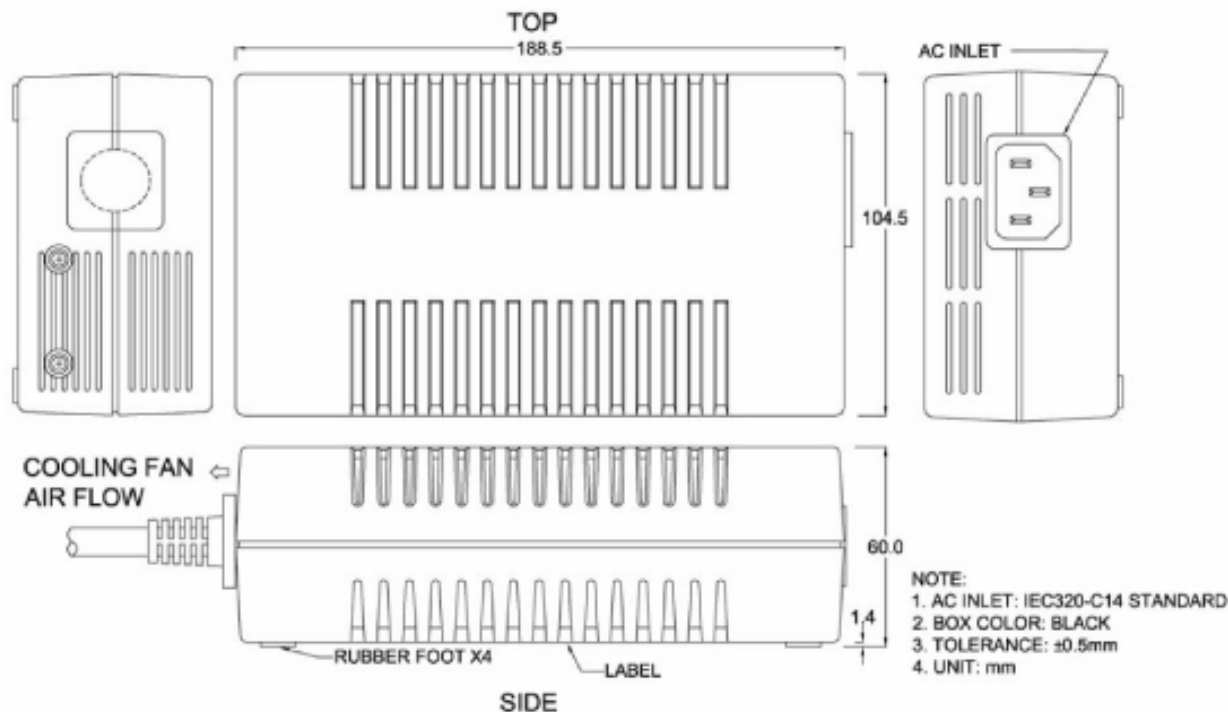
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## DIMENSION DIAGRAM (mm)



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