



# ETA-USA

## HIGH QUALITY SWITCHING POWER SUPPLIES

### DTA24-SX-W-C2

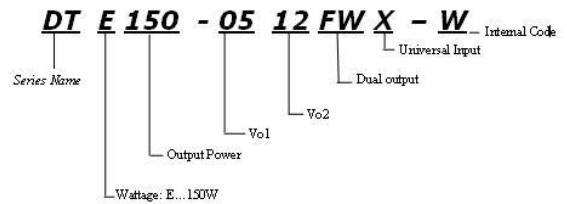
AC/DC SWITCHING POWER SUPPLY  
 24 WATTS  
 AC INPUT 90-264 VAC  
 SINGLE OUTPUT  
 CEC V  
 CLASS II



Dimension : L78.0mm×W50.0×H35.0mm



### General Description



### 2 Pole IEC320-C8 AC inlet, Class II

### Features

1. **High reliability**
2. **100% burn-in tested**
3. **100% Hi-pot tested**
4. **Safety Approvals, EMC compliance**
5. **Meets CEC, ERP, EISA, and Energy Star Level V requirements**
6. **No load power consumption <300mW**
7. **Meets UL 1310 NEC Class 2 requirement**
8. **Short circuit, over load, over voltage protection**
9. **Power ON LED indicator**

### Input

|                      |  |
|----------------------|--|
| Input Voltage Range: | 90 - 264VAC                              |
| Frequency:           | 47 - 63Hz                                |
| Input Current(RMS):  | 0.7 A max.@ 90VAC<br>0.35 A max.@ 264VAC |
| Ripple & Noise :     | 1%                                       |





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| Output Characteristic | Unit | Models  |                 |                 |                 |                 |                 |                 |                 |
|-----------------------|------|---|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                       |      | DTA24-05SX-W-C2   | DTA24-09SX-W-C2 | DTA24-12SX-W-C2 | DTA24-16SX-W-C2 | DTA24-18SX-W-C2 | DTA24-24SX-W-C2 | DTA24-36SX-W-C2 | DTA24-48SX-W-C2 |
| Output Voltage        | Vdc  | 5   | 9               | 12              | 16              | 18              | 24              | 36              | 48              |
| Output Current        | A    | 3   | 2.67            | 2               | 1.5             | 1.34            | 1               | 0.67            | 0.5             |
| Voltage Adjust Range  | V    | ±5% of Rated Output Voltage (at no load within the input range) |                 |                 |                 |                 |                 |                 |                 |
| Ripple & Noise(max)   | mVpp | 50  | 90              | 120             | 160             | 180             | 240             | 360             | 480             |
| Hold up time          | mS   | >10 mS typical  |                 |                 |                 |                 |                 |                 |                 |
| <b>Regulation</b>     |      |   |                 |                 |                 |                 |                 |                 |                 |
| a. Voltage regulation | mV   | +5%/-3%   |                 |                 |                 |                 |                 |                 |                 |

| Environmental Specification |   |
|-----------------------------|---|
| Operating Temperature       | -20°C to +60°C (Derate linearly 2.5% per C from 41~60C)       |
| Storage Temperature         | -20°C to +85 °C   |
| Humidity                    | 20~90%  |
| MTBF demonstrated           | >150,000 hours at full load and 25 °C ambient temperature     |
| Environmental Agencies      |   |
| Safety Standards            | UL 60950-1 CSA 22.2-No.60950-1 NEMKO EN60950-1 CB IEC 60950-1 |
| EMI Standards (Meet)        | FCC Part 15Class B CISPR 22 Class B EN 55022 Class B CE       |
| Protection                  |   |
| Short circuit protection    | Auto-recovery   |
| Over Voltage Protection     | Shutdown & Latch off, AC recycle                              |
| Over Load Protection        | Auto-recovery   |
| Mechanical                  |   |
| Dimension [mm]              | <b>L78.0mm×W50.0×H35.0mm</b>                                  |





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## DIMENSION DIAGRAM (mm)

