

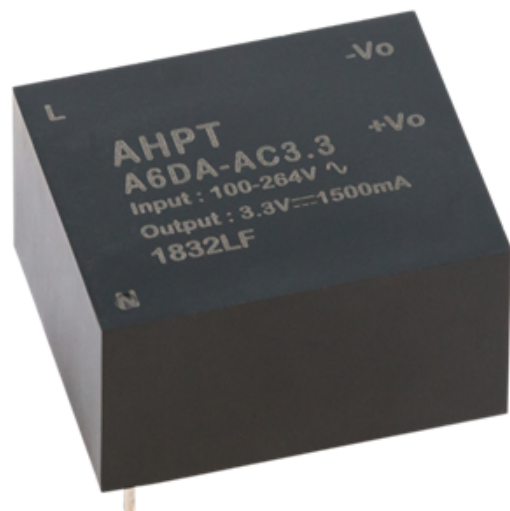


データシート

Japanese

## AC-DCコンバータ A6DAシリーズ

### 商品詳細



A6DAシリーズ電源は、絶縁耐圧3.75kVの絶縁耐力を備えた小さな電源です。

産業、計器及び民生用途に最適です。

ワイド入力電圧範囲：90 – 264Vac

無負荷時消費電力 0.05W

一次側Fuse：Fuse抵抗内蔵

絶縁耐力：3.75kVac

ワイド動作温度範囲：-25℃ - 85℃

小型、低リップル及び低ノイズ

過出力電流保護、過電圧保護

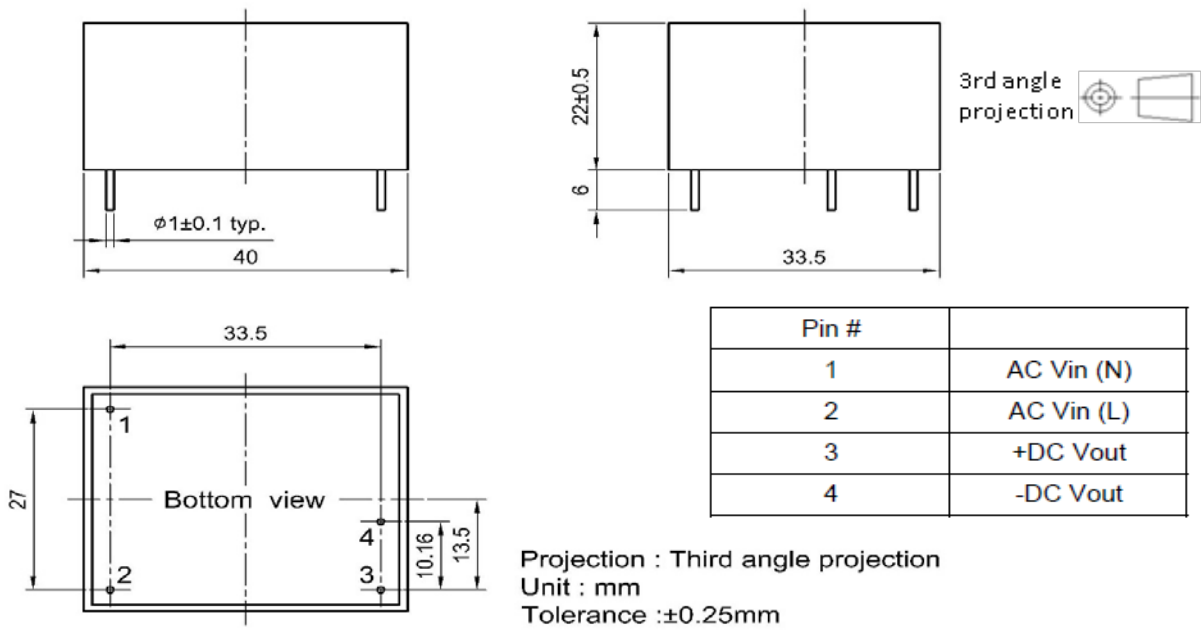
安全規格：UL60950, EN60950, IEC60950に準拠

## Specifications:

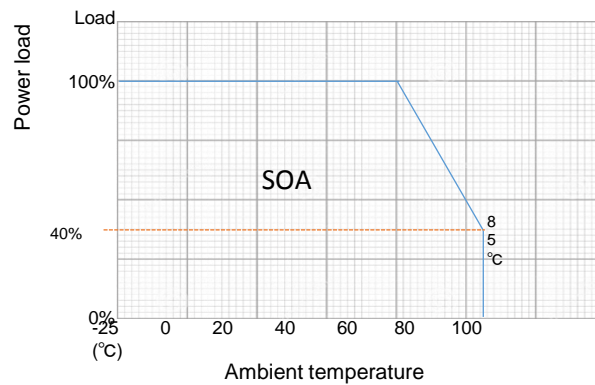
|                           | A6DA-AC3.3                    | A6DA-AC05 |
|---------------------------|-------------------------------|-----------|
| Depth                     | 22mm                          |           |
| Efficiency                | 70%                           | 75%       |
| Fuse                      | Internal wire wound resistor  |           |
| Humidity                  | 95% RH Max.                   |           |
| Input Voltage             | 90 – 264Vac                   |           |
| Length                    | 40mm                          |           |
| Line Regulation           | ± 1.5%                        |           |
| Load Regulation           | ± 2% (10-100%Load)            |           |
| Maximum Temperature       | +85°C                         |           |
| Minimum Temperature       | -25°C                         |           |
| MTBF                      | 1500000h @25°C                |           |
| No Load Power Consumption | 0.05W Typ.                    |           |
| Number of Outputs         | 1                             |           |
| Output Current            | 1800mA                        | 1200mA    |
| Output Voltage            | 3.3Vdc                        | 5Vdc      |
| Over Voltage Protection   | Zener Diode                   |           |
| Package Type              | Encapsulated                  |           |
| Power Rating              | 6W                            |           |
| Ripple and Noise          | 130mVpp Max. 100mVpp Typ.     |           |
| Short-Circuit Protection  | Automatic Restart, Continuous |           |
| Storage Temperature       | -25°C to +85°C                |           |
| Weight                    | 38g Typ.                      |           |
| Width                     | 33.5mm                        |           |
| Frequency Rating          | 80kHz Typ.                    |           |
| Safety                    | Based on UL60950, EN60950     |           |

1. All specifications in this datasheet are measured at normal input and ambient temperature of 25° C.
2. The “output voltage tolerance” includes initial voltage accuracy, thermal drift, line regulation and load regulation at rated input voltage and load conditions
3. MTBF\* are tested base on MIL-HDBK-217F

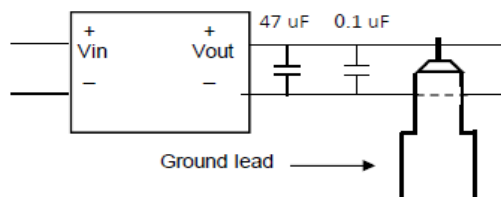
## Mechanical Specification



## Derating Curve



## Application Note



“The Ripple and Noise” is the maximum peak to peak voltage value measured at the output with a 20MHz bandwidth, At rated line voltage at full load; And with a 47 $\mu$ F low ESR electrolytic capacitor in parallel with a 0.1 $\mu$ F ceramic capacitor across the output.