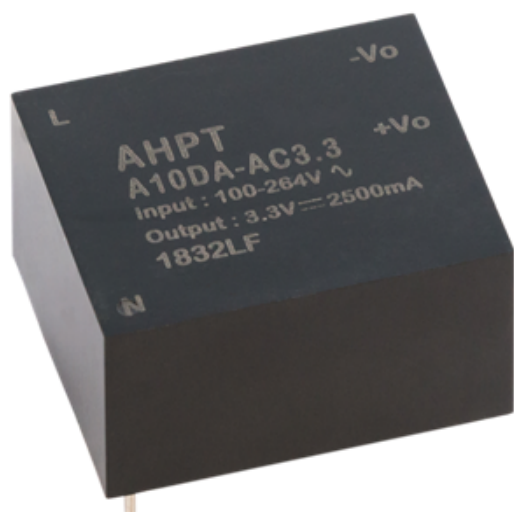


Datasheet

AC-DC Converter A10DA series



Product Detail

Switch mode power supply supports a wide input voltage range of up to 70%, high power density and low loss. Typical applications for the PCB mount AC/DC power supply induced industrial and office equipment. The 1-output power rating, delivers 3.3V output voltage and 3000mA output current. This embedded Switch Mode Power Supply based on UL60950, IEC60950, EN60950 standards.

Features and Benefits

- Universal Full Input 90 – 264VAC
- 10 Watt Power
- Short-Circuit Protection (SCP)
- 3.75kVAC Isolation
- Operating Temperature Range from -25°C to +85°C
- No Load Power Consumption 0.1W

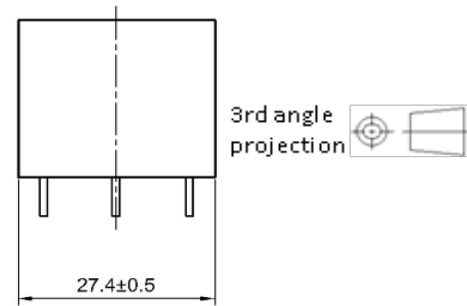
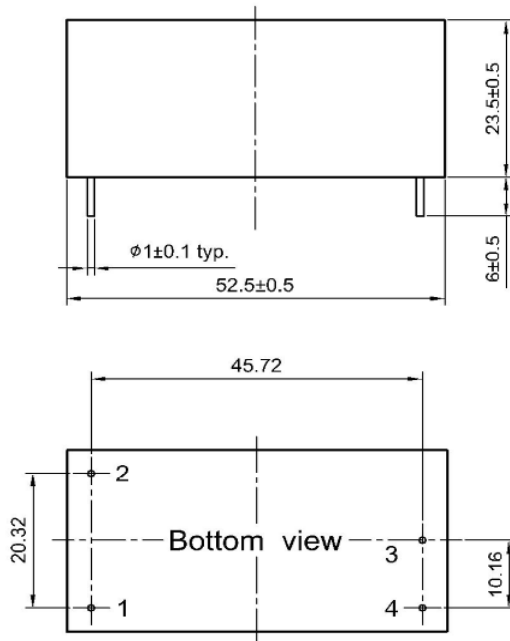
Specifications:

	A10DA-AC3.3	A10DA-AC05
Depth	22mm	
Efficiency	70%	76%
Fuse	External	
Humidity	95% RH Max.	
Input Voltage	90 – 264Vac	
Isolation Voltage	3.75kV ac / 1minute	
Length	40mm	
Line Regulation	$\pm 1.5\%$	
Load Regulation	$\pm 2\%$ (10-100%Load)	
Maximum Temperature	+85°C	
Minimum Temperature	-25°C	
MTBF	200000h @25°C	
No Load Power Consumption	0.1W Typ.	
Number of Outputs	1	
Output Current	3000mA	2000mA
Output Voltage	3.3Vdc	5Vdc
Package Type	Encapsulated	
Power Rating	10W	
Ripple and Noise	130mVpp Max. 100mVpp Typ.	
Short-Circuit Protection	Automatic Restart, Continuous	
Storage Temperature	-25°C to +85°C	
Weight	42g Typ.	
Width	33.5mm	
Frequency Rating	75kHz 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

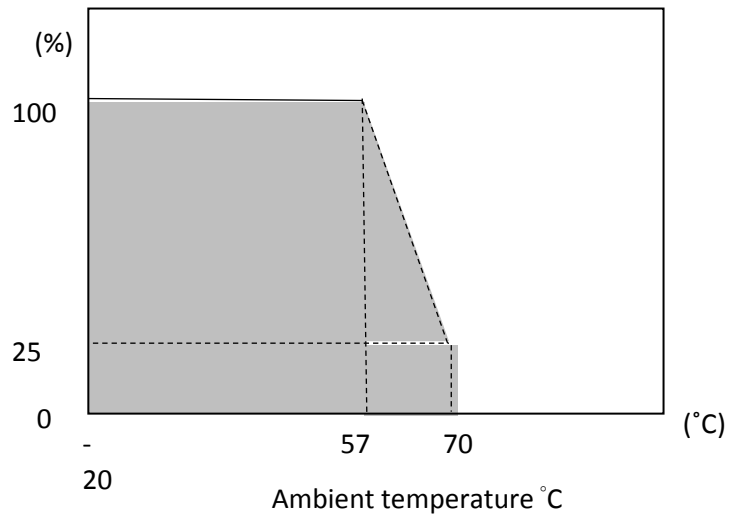
RS Pro AC-DC Converter (SMPS), 3.3Vdc / 300mA, 5Vdc / 200mA

Mechanical Specification

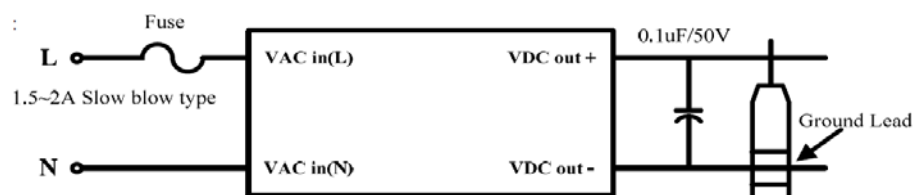


Pin No.	Single
1	Vin(N)
2	Vin(L)
3	-Vout
4	+Vout

Derating Curve



Application Note



1. Recommended external input fuse 1.5~2.0A / slow blow type.
2. To measure the output ripple & noise with short runs by 0.1uF/50V@20MHz, nominal input and full load.