



データシート

Japanese

AC-DCコンバータ 3W、基板実装、密閉型、A3Dシリーズ

詳細情報



A3Dシリーズ電源は、絶縁耐圧3kVの絶縁耐力を備えた小型な電源です。

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, 120 – 370Vdc

AC/DC入力対応（同じ端子からの入力）

絶縁耐力：3kVac

ワイド動作温度範囲：-40℃ - 80℃（Derating不要）

小型、低リップル及び低ノイズ

低スタンバイ電力：0.3W Typ.

過出力電流保護、短絡保護

安全規格：UL60950, EN60950, IEC60950に準拠

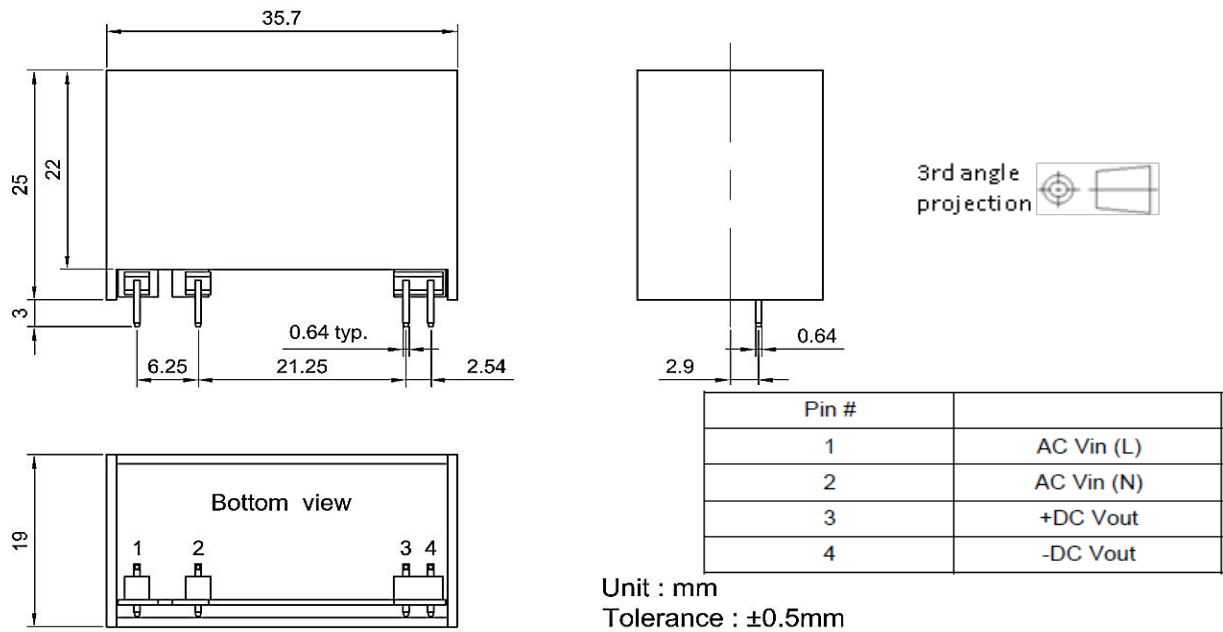
EMC：EN55022（Class B）、EN55024に準拠

Specifications:

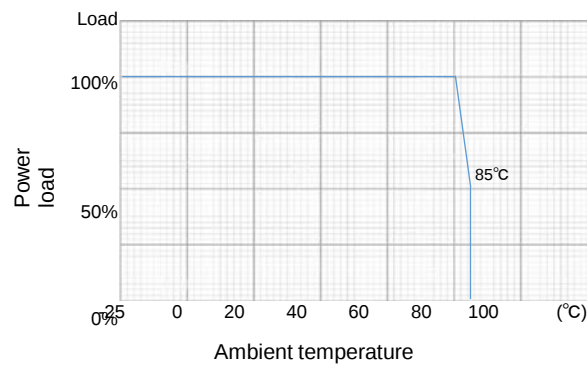
	A3D-AC3.3	A3D-AC05
Case Material	UL94V-0	
Depth	25mm	
Efficiency	67%	71%
Input Voltage	90 – 264Vac, 120 – 370Vdc	
Isolation Voltage	3kV ac / 1minute	
Leakage Current (Output)	10uA Max.	
Length	35mm	
Line Regulation	$\pm 1.5\%$ Max.	
Load Regulation	$\pm 6\%$ Typ. (2-100%Load)	
Maximum Temperature	+85°C	
Minimum Temperature	-40°C	
MTBF	3000000h	
No Load Consumption (Input)	30mW Typ.	
Number of Outputs	1	
Output Current	900mA	600mA
Output Voltage	3.3Vdc	5Vdc
Over Current Protection	Continuous, Automatics Recovery	
Over Voltage Protection	Zener Diode Clamp	
Package Type	Encapsulated	
Potting Material	Silicone	
Power Rating	3W	
Ripple and Noise	200mVpp	
Storage Temperature	-40°C to +85°C	
Weight	27.5g Typ.	
Width	19mm	
Frequency Rating	60kHz Typ.	
Safety	Based on UL60950, EN60950	
EMC	Based on EN55022 Class B and EN55024	

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

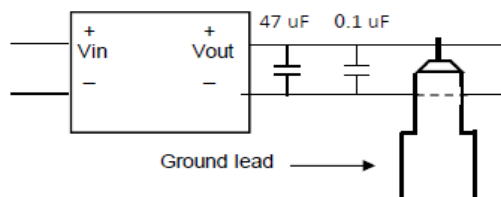
Mechanical Specification



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 μF low ESR electrolytic capacitor in parallel with a 0.1 μF ceramic capacitor across the output.