

NEW

10 Watt

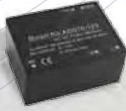
eAOD10 Series

Household Power Module

(M) Household Power Module



- ◆ Power Module for PCB Mountable
- ◆ Universal Input: 90-264 VAC, 47-63 Hz
- ◆ Maximum No-Load Watts < 0.3W
- ◆ Low Ripple and Noise
- ◆ Isolation Class II
- ◆ CE, UL Approvals Approvals (60950, 60335)
- ◆ 3-Year Warranty



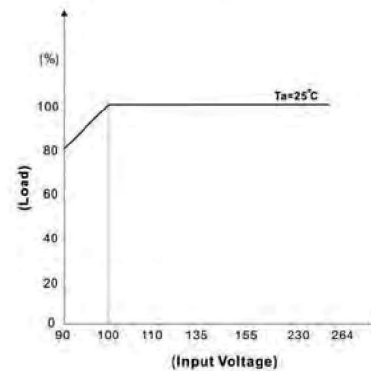
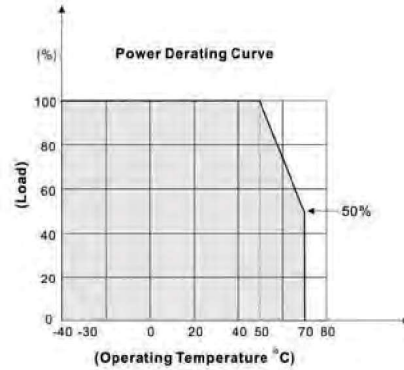
Input Specifications	
Voltage Range	90 ~ 305 VAC or 120 — 430 VDC
Frequency	47~440 Hz
Output Specifications	
	eAYC eAZC
Output Power	40 Watt (max.)
Voltage Accuracy	±2% (Full Load and Nominal Vin)
Minimum Load	0% (at Full Load)
Line Regulation	± 0.2%: ± 5% (LL to HL at Full Load) (typ.)
Load Regulation	± 1% (0% to 100% at Full Load) (typ.)
Ripple & Noise (20MHz bandwidth)	5S: <150mV (Vp-p) (max.) 12S: <150mV (Vp-p) (max.) 15S: <160mV (Vp-p) (max.) 48S: 1% Vout Vp-p) (max.)
Temperature Coefficient	± 0.02% / °C (max.)
Short Circuit Protection	Hiccup mode, indefinite (Automatic recovery)
General Specifications	
Efficiency (see table list)	80% to 85% (typ.)
Isolation Voltage	3000 VAC (min.)
Isolation Resistance	10 ⁸ Ω (Input to Output) (min.)
Operating Temperature	-40°C to +80°C (with Derating)
Storage Temperature	-40°C to +85°C
Humidity	95% RH (max.)
Cooling	Free-air Convection
Physical Specifications	
Dimension	37.0 x 27.5 x 17.5 mm
(Tolerance ±0.5 mm)	1.46x1.08x0.97 inches
Weight	35g
Case Material	Plastic resin (flammability to UL 94V-0)

Model

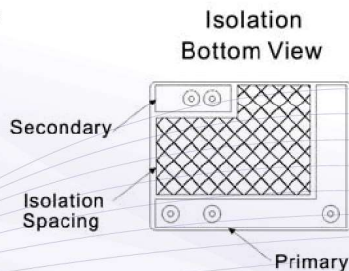
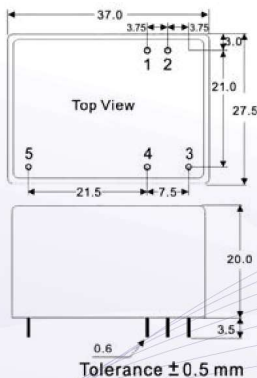
► eAOD Single Output

Model & Ordering No	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (m.A) max.	Eff (%)
eAOD10~ 5S	90~264	5	2000	
eAOD10~ 12S	90~264	12	833	
eAOD10~ 15S	90~264	15	667	
eAOD10~ 24S	90~264	24	417	

Derating



Derating



Pin # Single

- 1 +Vo
- 2 GND
- 3 AC IN (L)
- 4 AC IN (N)
- 5 NC CON-NECT