

NEW

10 Watt

eAOD10 Series

Household Power Module

ITE Power Module



- ◆ Power Module for PCB Mountable
- ◆ Universal Input: 90~264 VAC, 47~63 Hz
- ◆ Maximum No-Load Watts < 0.1W
- ◆ Low Ripple and Noise
- ◆ Isolation Class II
- ◆ CE, CB, UL Approvals (60950, 60335)
- ◆ 3-Year Warranty



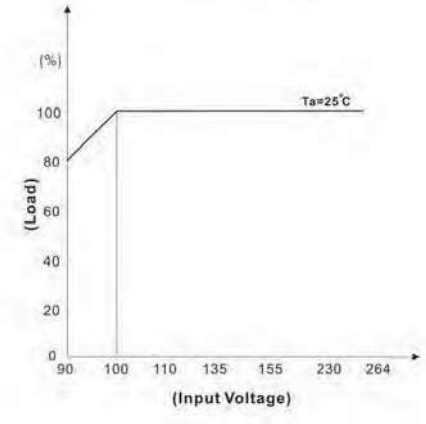
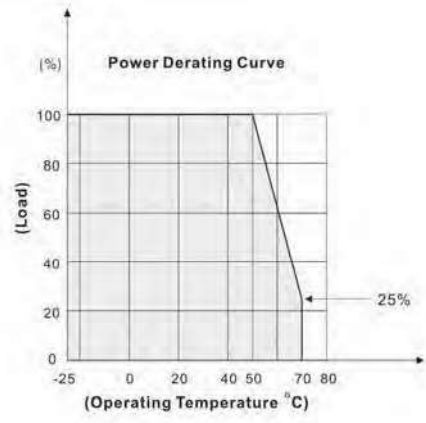
Input Specifications	
Voltage Range	90 ~ 264 VAC or 100 ~375 VDC
Frequency	47~440 Hz
Output Specifications	
Output Power	10 Watt (max.)
Voltage Accuracy	±2% (Full Load and Nominal Vin)
Minimum Load	0% (at Full Load)
Line Regulation	±0.2% (LL to HL at Full Load) (typ.)
Load Regulation	± 1 % (0% to 100% at Full Load) (typ.)
Ripple & Noise (20MHz bandwidth)	5S: <150mV (Vp-p) (max.)
	12S: <150mV (Vp-p) (max.)
	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 ⁹ Ω (Input to Output) (min.)
Operating Temperature	-40 °C to + 70°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 20.0 mm
(Tolerance ±0.5 mm)	1.46 x 1.08 x 0. 79 inches
Weight	35g
Case Material	Plastic resin (flammability to UL 94V-0)

Model

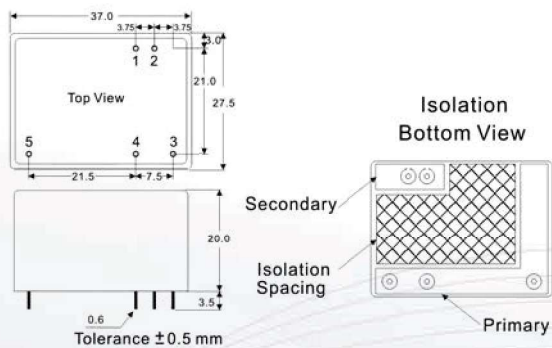
►► **eAOD10 Single Output**

Model & Ordering Nc	Input Voltage (V.AC)	Output Volgag (V.DC)	Output Current (m.A) max.	Eff (%)
eAOD10-5S	90~264	5	2000	80
eAOD10-12S	90~264	12	833	84
eAOD10-15S	90~264	15	667	85
eAOD10-24S	90~264	24	417	85

Derating



Outline Dimensions & Pin Connections



- Pin #**
- ① Single +Vo
 - ② GND
 - ③ AC IN (N)
 - ④ AC IN (L)
 - ⑤ NC CONNECT