

AHCH10 / AOCH10 / AOD10 Series 10W

() AC-DC ITE Power Module

Features

- * Ultra Compact Power Module for PCB Mountable
- * Universal Input Range 90-305VAC / 90-264VAC (AOD10)
- * Low No-Load Power Consumption < 0.1W
- * Cooling by free air convection
- * Low Ripple and Noise

- * Wide Operating Temperature: -40°C ~ +70°C / -40°C ~ +85°C (AHCH10)

- * Isolation Class II
- * I/O Isolation: 4000VAC / 3000VAC (AOD10)
- * 3-Year Product Warranty



(AHCH10 N/A)

AHCH10
10 Watts
NEW
 52.2 x 26.8 x 19.0 mm
 2.055 x 1.055 x 0.75 inches

(Household Power Module)

AOCH10
10 Watts
NEW
 37.0 x 27.5 x 20.0 mm
 1.46 x 1.08 x 0.79 inches

(Household Power Module)

AOD10
10 Watts

 37.0 x 27.5 x 20.0 mm
 1.46 x 1.08 x 0.79 inches

General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AHCH10 NEW	AOCH10 NEW	AOD10
AC Input Voltage Range	90-305 VAC or 120-430 VDC	ITE: 90-305 VAC or 120-430 VDC Household: 90-264 VAC or 120-370 VDC	90-264 VAC or 120-370 VDC
AC Inrush Current	30 A max. (115 VAC) / 60 A max. (230 VAC)		
Leakage Current	0.25 mA (max.)		
Output Voltage Accuracy	±2%		
Ripple & Noise (Vp-p.)	5S, 12S: <100mV ; 15S, 24S: <150mV (max.)	5S, 12S: <150mV ; 15S: <160mV ; 24S: 1% Vout (max.)	
Over Power Protection	Hiccup technique, auto-recovery		
Over Voltage Protection	Zener diode clamp		
Short Circuit Protection	Hiccup mode, indefinite (automatic recovery)		
Isolation (Input-Output)	4000 VAC		3000 VAC
Operating Temperature	-40 °C to +85 °C	-40 °C to +70 °C	-40 °C to +70 °C
Temperature Coefficient	±0.02%/°C		
Cooling Method	Free air convection		
Safety	UL / IEC / EN 62368-1, IEC / EN 60950 meet TUV IEC / EN 60335-1, TUV IEC / EN 61558-2-16	UL / IEC / EN 62368-1, IEC / EN 60950 TUV IEC / EN 60335-1, TUV IEC / EN 61558-2-16	UL / cUL / IEC / EN 60950-1, TUV IEC / EN 60335-1
EMI (Conducted & Radiated Emission)	EN 55032 Class B		
EMS (Noise Immunity)	EN 55035		EN 55024

Model No.

▶▶ AHCH10 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AHCH10-5S	90~305	5	2000	80.5
AHCH10-12S	90~305	12	833	85
AHCH10-15S	90~305	15	667	86
AHCH10-24S	90~305	24	417	85.5

▶▶ AOCH10 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AOCH10-5S	90~305	5	2000	81
AOCH10-12S	90~305	12	833	85
AOCH10-15S	90~305	15	667	86
AOCH10-24S	90~305	24	417	86

▶▶ AOD10 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AOD10-5S	90~264	5	2000	80
AOD10-12S	90~264	12	833	84
AOD10-15S	90~264	15	667	85
AOD10-24S	90~264	24	417	85