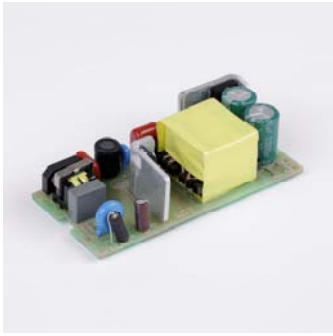


AP006 Series

36W, AC-DC Converter



FEATURES

- Universal Input : 100 - 240VAC
- Operating temperature range: -20°C to +60°C
- High isolation voltage up to 3.75K VAC
- Regulated output, Low ripple & noise
- short circuit, over-current protection
- Over temperature protection
- High efficiency, high reliability
- EMI performance meets EN55032 CLASS B
- Min 100,000 Hours life @Ta=25 °C

Selection Guide

Certification	Part No.	Output Power	Output Voltage	Output Current	Efficiency
FCC / CE	ZA036H-VE1200300-NO	36W	12-12.2V	0-3.0A	84%

Input Specification

Item	Operating Condition	Min.	Typ.	Max.	Unit
Input Voltage Range	AC input	100	-	240	VAC
Input Frequency		47	-	63	Hz
Input Current	115VAC	-	0.6	1.2	A
	230VAC	-	0.35	0.75	A
Inrush Current	115VAC	-	20	-	A
	230VAC	-	10	-	A
Hot Plug	Not available				

Output Specification

Item	Operating Condition	Min.	Typ.	Max.	Unit
Output Voltage Range	ZA036H-VE1200300-NO	12	12.1	12.2	VDC
Ripple & Noise	ZA036H-VE1200300-NO	120			mVp-p
Over current Protection	≥ 110%-150% Io self-recovery				
Short Circuit Protection	self-recovery				

AP006 Series

General Specification

Item	Operating Condition	Min.	Typ.	Max.	Unit
Operating Temperature		-20		70	°C
Storage Temperature		-20		80	°C
Storage Humidity		10		95	%
Welding Temperature	Wave-soldering	260 ± 5°C; time: 5 - 10s			
	Manual-soldering	360 ± 10°C; time: 3 - 5s			
Switching Frequency		500			KHz
Safety Standard	EN61347-1, EN61347-2-13				
Safety-regulated Certification	EN55015, EN61000-4-2,3,4,5,6,8,11, EN61547				
Safety Class	CLASS II				

Physical Specification

Dimension	92*44*24 mm
Weight	72 grams
Cooling method	Free air

Typical application circuit:

