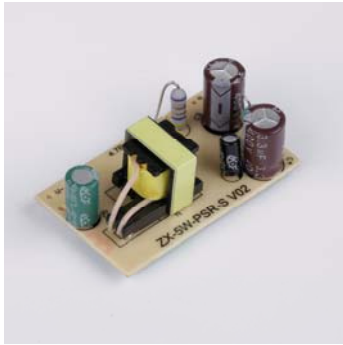


AP008 Series

5W, 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	ZA005L-VU0500100-NO	5W	5 -5.2V	0-1.0A	74%
	ZA005L-VU0600080-NO	4.8	6.-6.2V	0-0.8A	75%
	ZA005L-VU0900060-NO	5.4W	9-9.2V	0-0.6A	76%
	ZA005L-VU1200040-NO	4.8W	12-12.2V	0-0.4A	76%

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	-	0.3	0.5	A
	230VAC	-	0.2	0.4	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	ZA005L-VU0500100-NO	5	5.1	5.2	VDC
	ZA005L-VU0600080-NO	6	6.1	6.2	VDC
	ZA005L-VU0900060-NO	9	9.1	9.2	VDC
	ZA005L-VU1200040-NO	12	12.1	12.2	VDC
Ripple & Noise	ZA005L-VU0500100-NO	100			mVp-p
	ZA005L-VU0600080-NO	100			mVp-p
	ZA005L-VU0900060-NO	120			mVp-p
	ZA005L-VU1200040-NO	150			mVp-p
Over current Protection	≥ 110%-150% Io self-recovery				
Short Circuit Protection	self-recovery				

AP008 Series

General Specification

Item	Operating Condition	Min.	Typ.	Max.	Unit
Operating Temperature		-20		70	°C
Storage Temperature		-20		80	°C
Storage Humidity		10		95	°C
Welding Temperature	Wave-soldering	260 ± 5°C; time: 5 - 10s			
	Manual-soldering	360 ± 10°C; time: 3 - 5s			
Switching Frequency		500			KHz
Safety Standard	EN 60065:2014				
Safety-regulated Certification	FCC Part 15B:2016 ; EN55035: 2017 ; EN 61000-3-2:2014 , EN 61000-3-3:2013, EN 55032:2015				
Safety Class	CLASS II				

Physical Specification

Dimension	45 * 27 * 18 mm
Weight	50 grams
Cooling method	Free air

Typical application circuit:

