

AP022 Series

60W, 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	ZA060L-VU1200500-YO	60W	12-12.2V	0-5.0A	88%
	ZA060L-VU2400250-YO	60W	24-24.2V	0-2.5A	89%

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	-	40	-	A	
Hot Plug	Not available					

Output Specification						
Item	Operating Condition	Min.	Typ.	Max.	Unit	
Output Voltage Range	ZA060L-VU1200500-YO	12	12.1	12.2	VDC	
	ZA060L-VU2400250-YO	24	24.1	24.2	VDC	
Ripple & Noise	ZA060L-VU1200500-YO	120			mVp-p	
	ZA060L-VU2400250-YO	120			mVp-p	
Over current Protection	≥ 110%-150% Io self-recovery					
Short Circuit Protection	self-recovery					

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General Specification					
Item	Operating Condition	Min.	Typ.	Max.	Unit
Operating Temperature		-20		70	°C
Storage Tmeperature		-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 Frequencn		500			KHz
Safety Standard	EN60065:2014				
Safety-regulated Certificaton	Meets FCC Part 15B:2016; EN55035:2017; EN61000-3-2:2014;EN61000-3-3:2013; EN55032:2015				
Safety Class	CLASS II				

Physical Specification	
Dimension	112*41*25 mm
Weight	62 grams
Cooling method	Free air

Typical application circuit:

