



FEATURES:

- AC-DC Constant Current LED Driver
- Universal Input: 90-265VAC, 47-63Hz
- Short circuit protection
- RoHS compliant
- Waterproof IP67
- Over current protection
- Over voltage protection
- Low output ripple



Models Single output

Model	Input Voltage (VAC/Hz)	Output Voltage Range (V)	Output Current (mA)	Efficiency (%)	Max Output Power (W)
AMEPR8-2435KZ	90-265/ 47-63	2-24	325 ±25	80	8.4
AMEPR7-1260KZ	90-265/ 47-63	2-12	600 ±30	80	7.2
AMEPR8-1270KZ	90-265/ 47-63	2-12	700 ±30	80	8.4

NOTE: All specifications in this datasheet are measured at an ambient temperature of 25°C, humidity<75%, nominal input voltage and at rated output load unless otherwise specified.

Input Specifications

Parameters	Conditions	Typical	Maximum	Units
Voltage range		90-265VAC		VAC
Inrush current <2ms	115V		10	A
	230V		20	
Leakage current	230V	0.25		mA
AC current	115V		0.08	A
	230V		0.05	
No-load consumption			0.8	W
External fuse			250V/1.5A	

Output Specifications

Parameters	Conditions	Typical	Maximum	Units
Current accuracy			±10	%
Line regulation	LL-HL		±5	%
Load regulation	2V to 100% load		±10	%
Ripple & Noise	20MHz Bandwidth	150		mV p-p
Hold-up time (min)	100% load	4	8	ms

Isolation Specifications

Parameters	Conditions	Typical	Maximum	Units
Tested I/O voltage	5mA/60Sec	3000	3750	VAC
Input FG		1500		VAC
Isolation resistance		>50		MΩ

General Specifications

Parameters	Conditions	Typical	Maximum	Units
Switching frequency		100		KHz
Over current protection		115		%
Over voltage protection		Zener Diode clamp		
Short circuit protection		Continuous, Auto recovery		
Operating temperature		-40 to +55		°C
Temperature Rise		25		°C
Storage temperature		-40 to +80		°C
Temperature coefficient		0.05		% / °C
Cooling		Free air convection		
Humidity			95	% RH

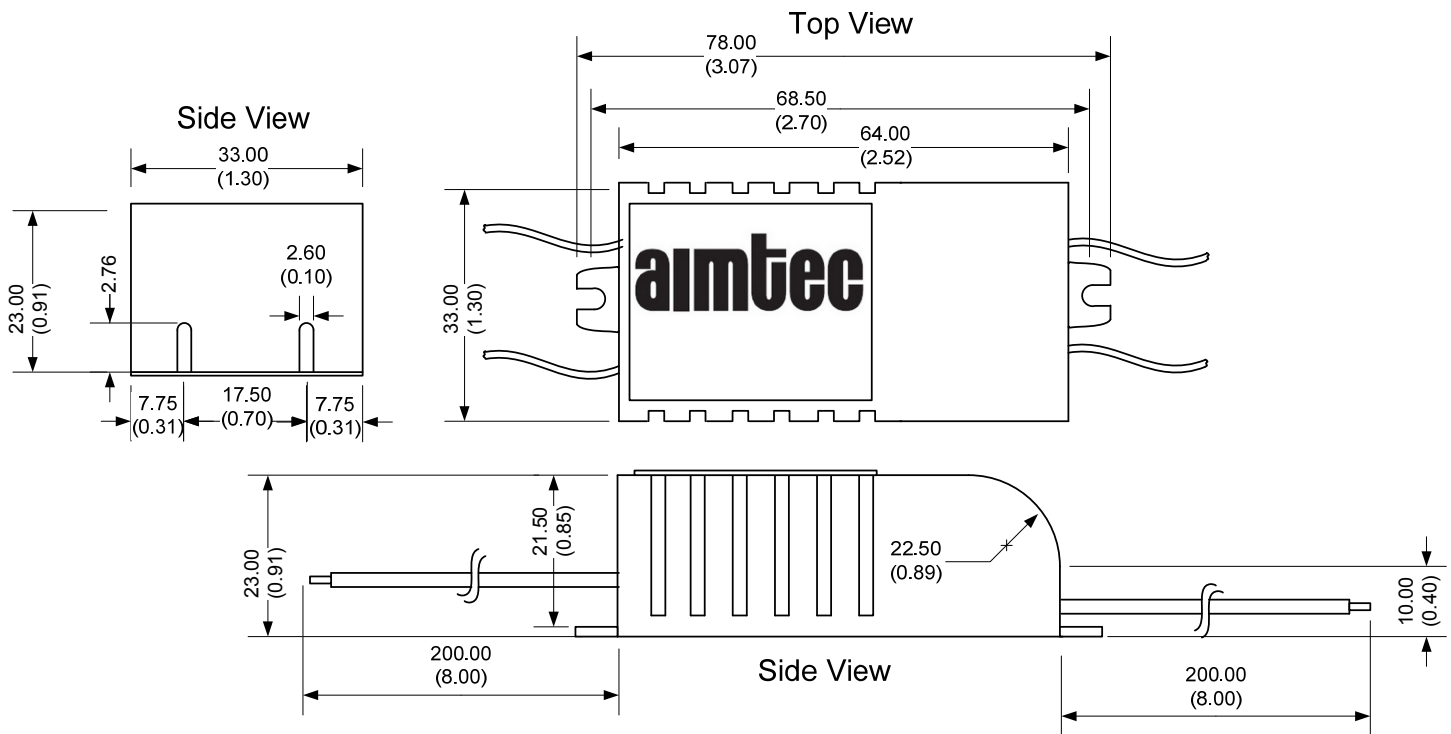
General Specifications (continued)

Parameters	Conditions	Typical	Maximum	Units
Case material		ABS (Acrylonitrile-Butadiene-Styrene Co-polymers)		
Potting		White epoxy (IP67 rated)		
Wires		UL1015 18AWG *20CM		
Weight		88		g
Dimensions (L X H X W)		3.07 x 0.91 x 1.30inches	78.00 x 23.00 x 33.00mm	
MTBF		50,000 hrs (MIL-HDBK-217 F at +25 °C)		

Safety Specifications

Parameters	
Agency approvals	CE
Standards	GB195110.1-2004/IEC61347-1:2003, EN55015, EN61000, EN61547

Dimensions



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