



FEATURES:

- AC-DC Constant Current LED Driver
- Universal Input: 90-264VAC, 47-63Hz
- Short circuit protection
- RoHS compliant
- Waterproof IP67
- Over current protection
- Over voltage protection
- Low output Ripple



Models
Single output

Model	Max Output Power (W) *	Output Voltage Range (V)	Output Current (mA)	Input Voltage (VAC/Hz)	Efficiency (%)
AMER63-9070KZ	65.7	65-90	700 ±30	90-264/ 47-63	85

* Exceeding the maximum output power will permanently damage the converter

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		90-264		VAC
Inrush current <2ms	115V	20		A
	230V	30		
Leakage current	230V	0.25		mA
AC current	115V	0.5		A
	230V	0.35		
No-load consumption		2.5		W
External fuse			250V/2.5A	

Output Specifications

Parameters	Conditions	Typical	Maximum	Units
Current accuracy		±5		%
Line regulation		±5		%
Load regulation		±10		%
Ripple & Noise		100		mV p-p
Hold-up time (min)		6	10	ms

Isolation Specifications

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

General Specifications

Parameters	Conditions	Typical	Maximum	Units
Switching frequency		65		KHz
Over current protection		115		%
Over voltage protection		Zener Diode clamp		
Short circuit protection		Continuous		
Short Circuit restart		Auto-Recovery		
Operating temperature *		-30 to +55		°C
Maximum case temperature			95	°C
Storage temperature		-40 to +80		°C
Temperature coefficient		0.05		% / °C
Cooling		Free Air Convection		

General Specifications (continued)

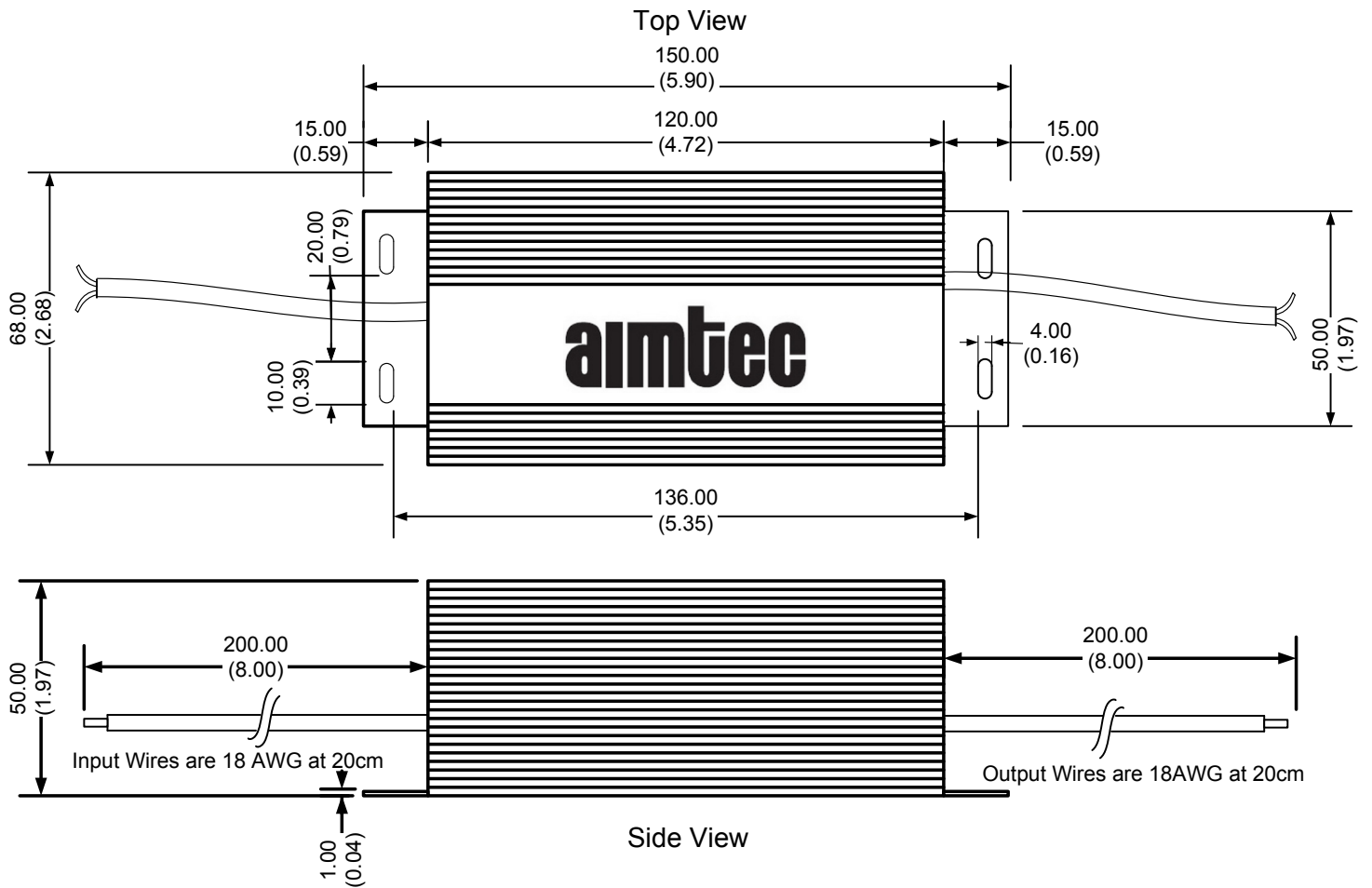
Parameters	Conditions	Typical	Maximum	Units
Humidity			95	% RH
Case material	Aluminum			
Weight		750		g
Dimensions (L X H X W)		5.91 x 2.68 x 1.97 inches	150.00 x 68.00 x 50.00 mm	
MTBF		50,000 hrs (MIL-HDBK-217 F at +25°C)		

* NOTE: Converters do not have Over Temperature Protection and will be damaged if their maximum case temperature is exceeded.

Safety Specifications

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

Dimensions



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