M9-A Series AC-Dimm+®

Product Specifications

ANZ#: Z184f, August 23, 2012

High Power Constant Current LED Driver	
Total Power	9 Watts max.
Input Voltages	110VAC or 220VAC
Number of Outputs	One

SPECIAL FEATURES

- Compact size maximizes design flexibility.
- 2.78” (L) x 1.36” (W) x 0.98” (H)
- Fully potted, suitable for dry and damp location applications
- Phase dimmable, compatible with Standard Triac and Electronics Low Voltage Dimmers
- UL8750 Class 2 (110V) or CE compliant (230V)
- Wide selection of pre-adjusted C/C outputs

ENVIRONMENTAL

Operating temperature:	-20 to +50 º C
Storage temperature:	-40 to +85 º C
Humidity (Non-Condensing):	5% to 95%
Cooling:	Convection
Vibration Frequency:	5 to 50 Hz

MTBF: >100,000 Hours at full load and 25ºC ambient conditions (MIL-217F)

SPECIFICATIONS :

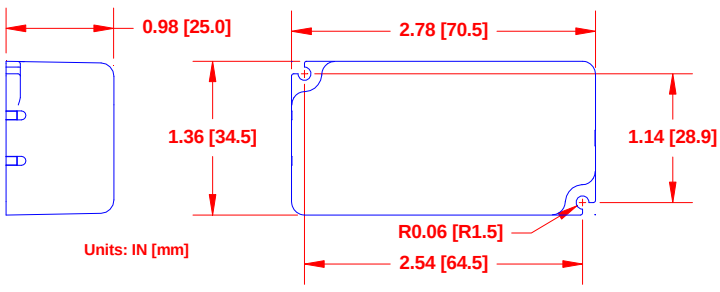
Input Range : 110/220VAC; 0.3/0.15A; 47~63Hz	Power Factor: > 0.97 at full load, 115VAC or 230VAC
DC Output Range : Refer to Model selection table	Operation Temp. : -20℃ ~ +50℃ , Tc : 80 ℃
Efficiency : 82% Typical (110VAC version)	Storage Temp. : -40℃ ~ +85℃
Output Current Regulation : ±5%	MTBF(@25℃) : >100,000 Hours, MIL-217F
Protection : OCP, SCP, OVP – Auto Recovery	Regulation Compliance: UL8750 or EN61347, EN55015, EN61547
Dimming : AC Phase - leading or trailing edge (110 or 220 only)	Dimension: 2.78” (L) x 1.36” (W) x 0.98” (H)

MODEL SELECTION :

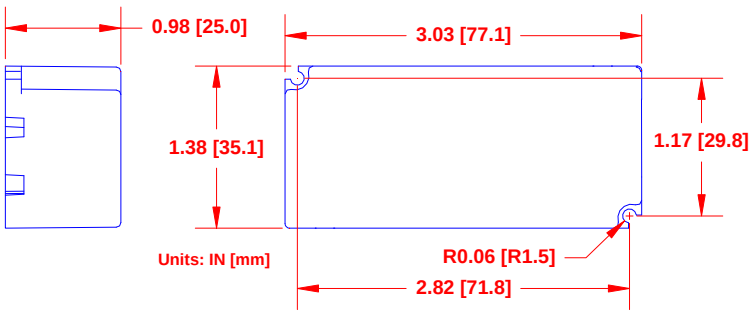
Model Number (110VAC)	DC Output (Vf)	Max. Output (mA/Watts)	Model Number (230VAC)	DC Output (Vf)	Max. Output (mA/Watts)
M9-A12-0750	9 ~ 12 VDC	750 / 9.0	M9-E12-0750	9 ~ 12 VDC	750 / 9.0
M9-A24-0375	16 ~ 24 VDC	375 / 9.0	M9-E24-0375	16 ~ 24 VDC	375 / 9.0
M9-A30-0300	21 ~ 30VDC	300 / 9.0	M9-E30-0300	21 ~ 30VDC	300 / 9.0
M9-A36-0250	26 ~ 36 VDC	250 / 9.0	M9-E36-0250	26 ~ 36 VDC	250 / 9.0
M9-A42-0220	36 ~ 42 VDC	220 / 9.0	M9-E42-0220	36 ~ 42 VDC	220 / 9.0

MECHANICAL SPECIFICATION : M9-XYY-ZZZZ

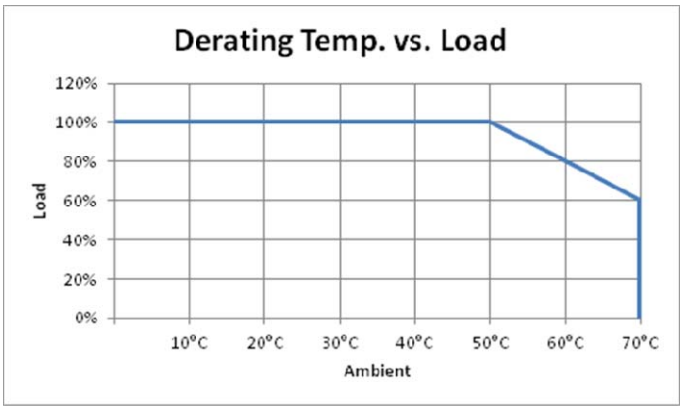
A version: 110VAC



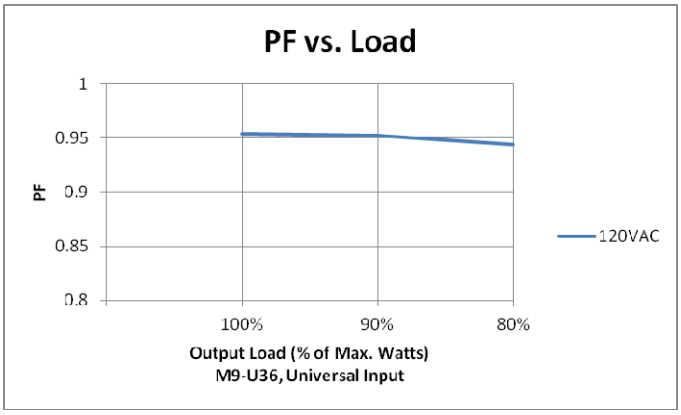
E version: 110VAC input



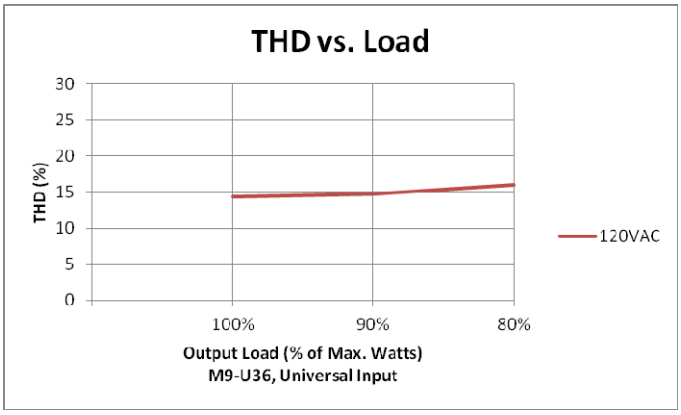
De-rating Temp. vs. Load



Power Factor vs. Load



THD vs. Load



Efficiency vs. Load