

EMI CONSIDERATIONS

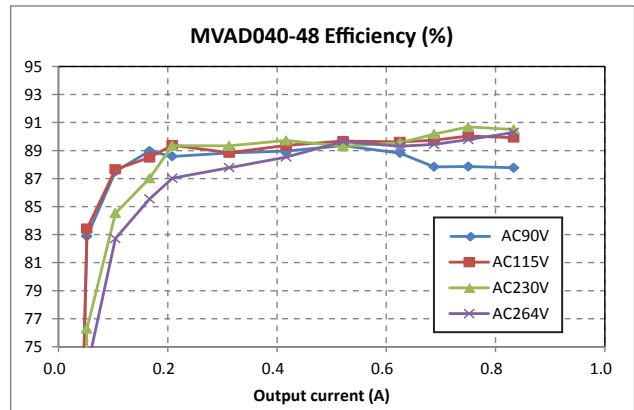
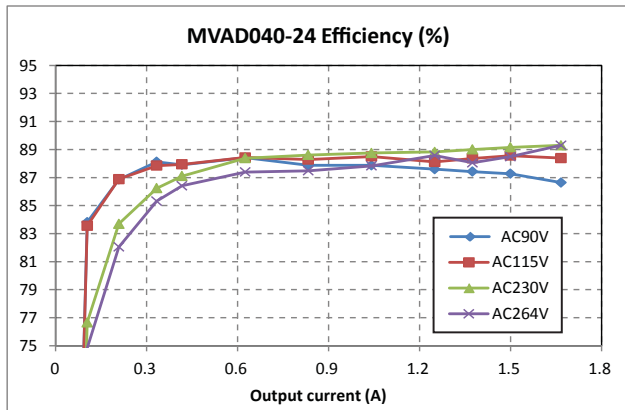
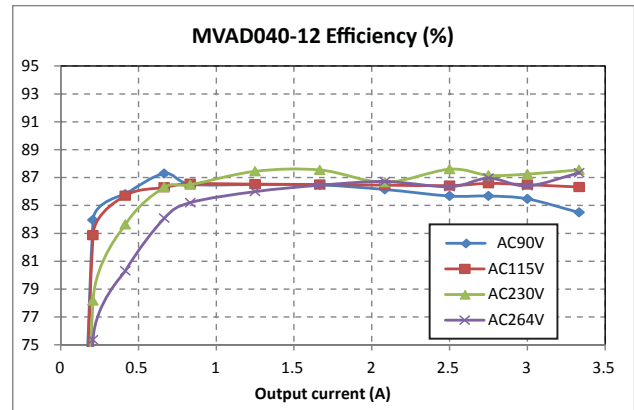
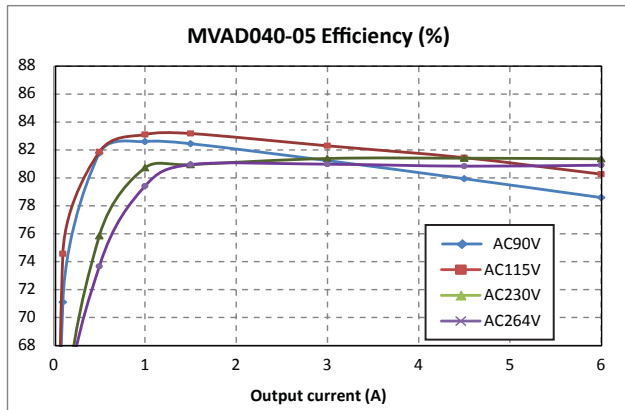
For optimum EMI performance, the power supply should be mounted to a metal plate grounded to all 4 mounting holes of the power supply. To comply with safety standards, this plate must be properly grounded to protective earth (see mechanical dimension notes). Pre-compliance testing has shown the stand-alone power supply to comply with EN55022 class A radiated emissions. Radiated emission results vary with system enclosure and cable routing paths.

SAFETY CONSIDERATIONS

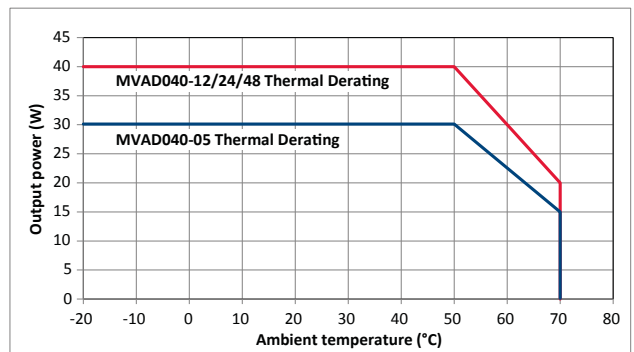
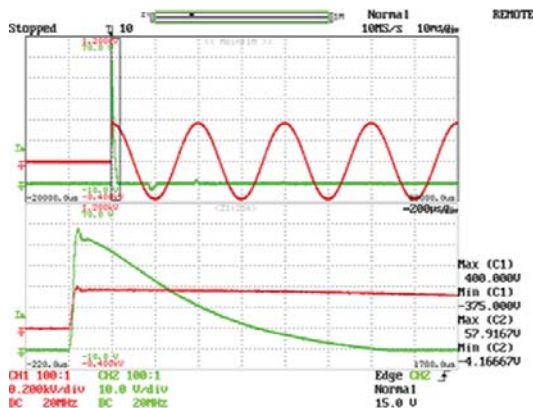


1. This power supply is a component level power supply intended for use in class I or class II applications. Secondary ground traces need to be suitably isolated from primary ground traces when used in class II applications.
2. When the power supply is used in class II equipment, all ground traces and components connected to the primary side are considered primary for spacing and insulation considerations.
3. Double pole/neutral fusing.

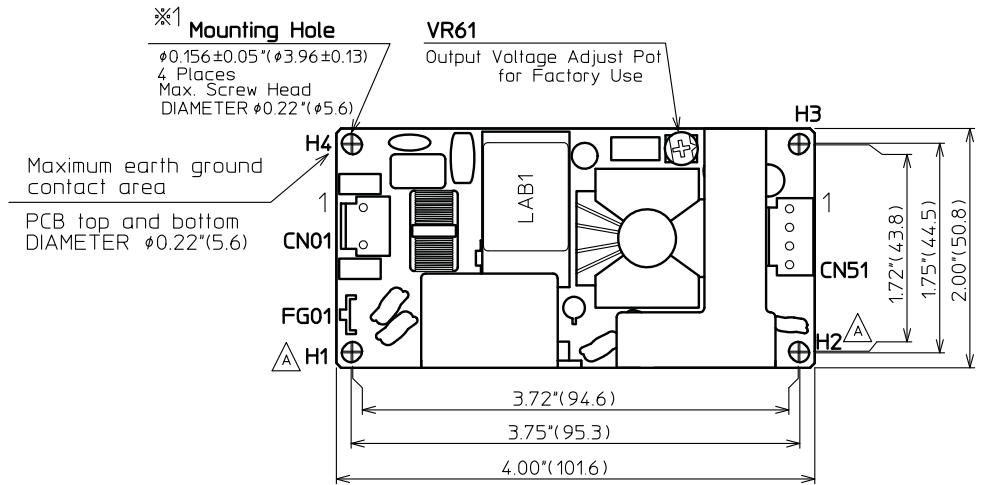
PERFORMANCE DATA



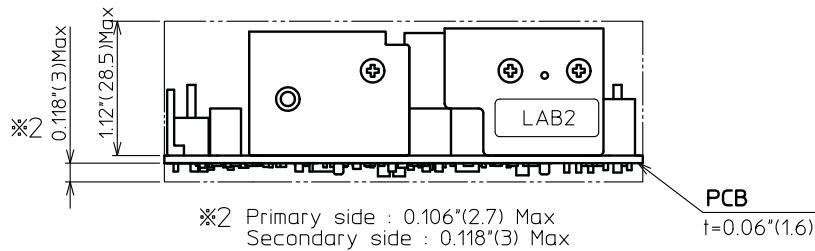
Inrush waveform (AC264V 25°C)



MECHANICAL DIMENSIONS – MVAD040-05 ONLY



※1 Preferred screw type :
M3 (Metric screw threads)
No.4-40UNC (Unified Thread Standard)



All dimensions in inches (mm), tolerance is +/-0.02' (0.5)
Mounting holes H1 and H2 should be earth-grounded for EMI purpose
Mounting holes H2 is earth ground connection
This power supply requires mounting on standoffs minimum 0.2' (5.0) in height

Dimensions: 2.0" x 4.0" x 1.3" (50.8mm x 101.6mm x 33.02mm)

INPUT/OUTPUT CONNECTOR AND SIGNAL SPECIFICATION AND MATING CONNECTORS

PIN	Description	Mating Housing	Crimp terminal/pins
Input Connector CN1 : Molex 26-62-4030			
1	AC Line (V-)	Molex 09-50-8031 with locking ramp	Molex 6838 Series
3	AC Neutral (V+)		
Spade Connector: #250			
GND	Earth Ground		
Output Connector CN2 : Molex 26-60-4040			
1, 2	V1	Molex 09-50-8041 with locking ramp	Molex 6838 Series
3, 4	DC Return		