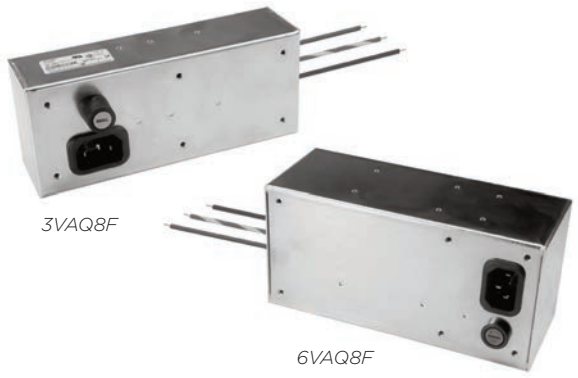
AQ Series

UL Recognized
CSA Certified



3VAQ8F

6VAQ8F

AQ Series

- Low cost solution to power line noise at high frequencies
- High common and differential mode performance from 10kHz to 1GHz
- Available with an IEC inlet, fuseholder and switch
- Suitable for applications where computers are used to process secret or confidential information

Ordering Information

3 V AQ 8 FS

Suffix
F – Fuseholder
FS – Fuseholder & Switch
(F & FS on VAQ8 only)
Omit if none

Input / Output Style
3 – Wire leads
8 – IEC inlet* *(line side)*
Wire leads *(load side)*

AQ Series

Leakage current designation
V – Standard

Current Rating
3 or 6A

Available Part Numbers

3VAQ3	6VAQ3
3VAQ8F	6VAQ8F
3VAQ8FS	6VAQ8FS

**IEC 60320-1 C14 inlet mates with C13 connector*

Specifications

Maximum leakage current each Line to Ground:

	3A Models	6A Models
@ 120 VAC 60 Hz:	1.2 mA	.7 mA
@250 VAC 50 Hz:	2.3 mA	1.2 mA

Hipot rating (one minute):

Line to Ground:	2250 VDC
Line to Line:	1450 VDC

Rated Voltage (max): 250 VAC

Operating Frequency: 50/60 Hz

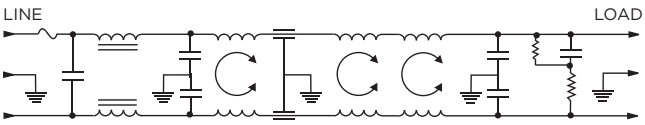
Rated Current: 3 or 6A

Operating Ambient Temperature Range (at rated current I_r): -10°C to +40°C

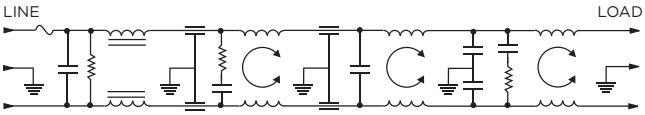
In an ambient temperature (T_a) higher than +40°C the maximum operating current (I_o) is calculated as follows: $I_o = I_r \sqrt{(85-Ta)/45}$

Electrical Schematics

3A Models

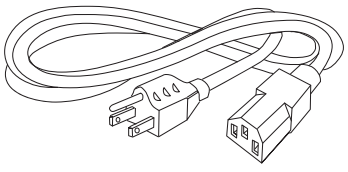


6A Models



Accessories

GA400: NEMA 5-15P to IEC 60320-1 C-13 line cord



Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

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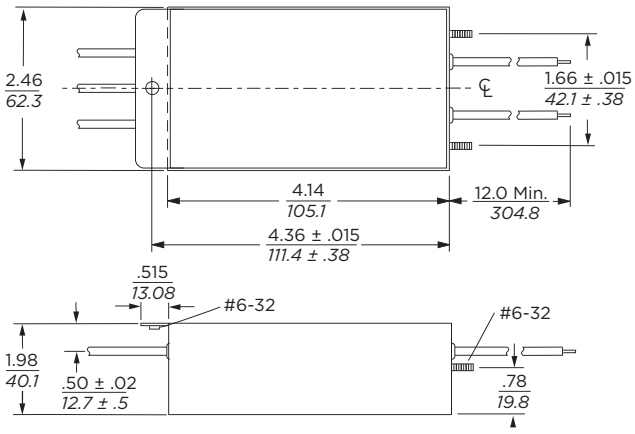
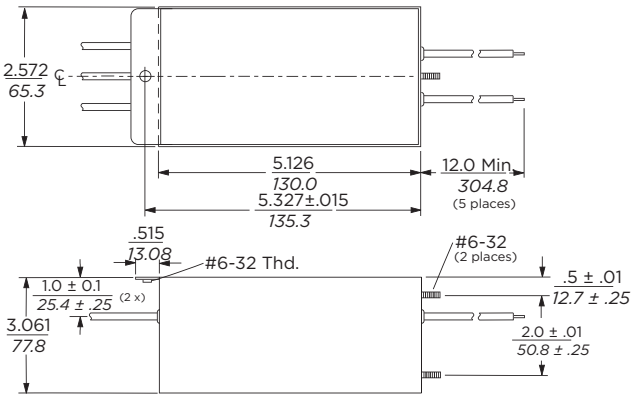
AQ Series

Case Styles and Dimensions

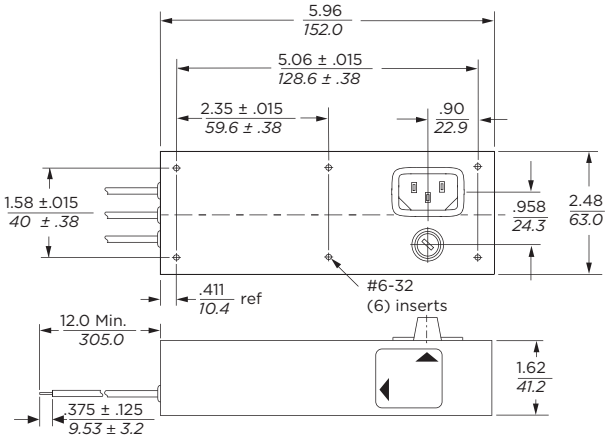
3VAQ3



6VAQ3



3VAQ8F



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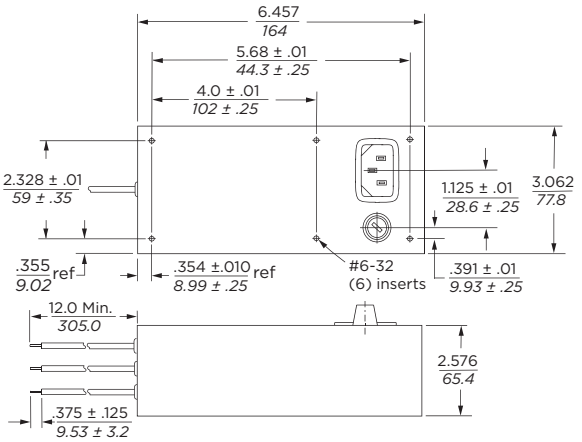
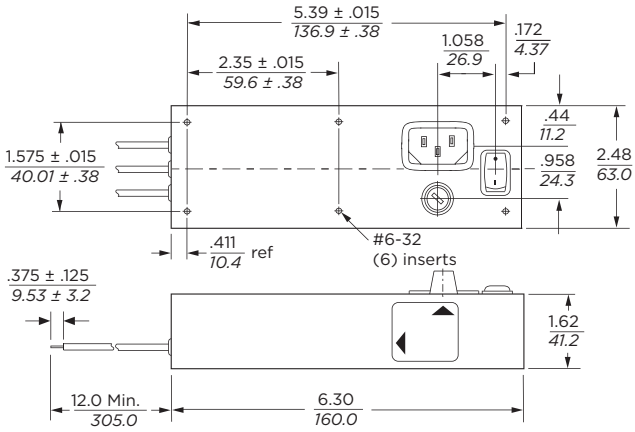
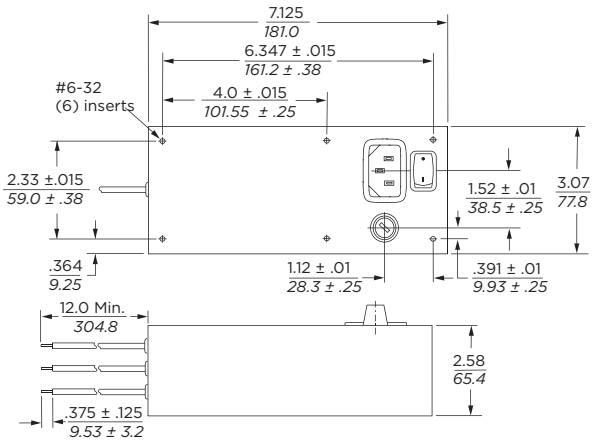


3VAQ8FS



6VAQ8FS



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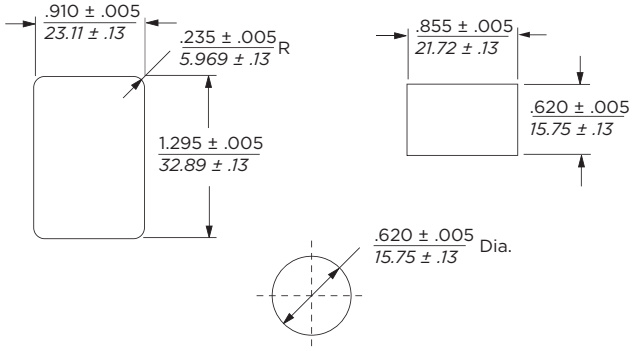
AQ Series

Recommended Panel Cutouts

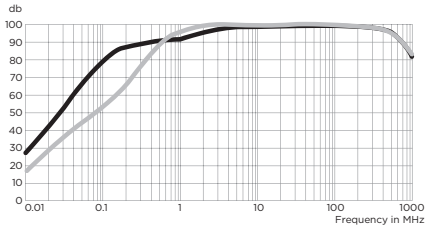


Performance Data

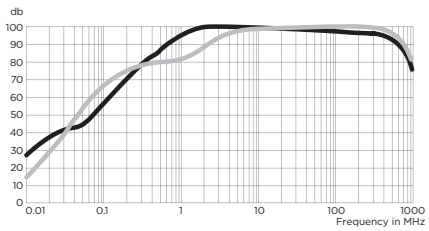
Typical Insertion Loss

Measured in closed 50 Ohm system

3VAQ



6VAQ



Common Mode / Asymmetrical (L-G)
Differential Mode / Symmetrical (L-L)

Minimum Insertion Loss

Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

Current	Frequency – MHz								
Rating	.01	.1	.5	1	10	50	100	300	1000
3A	10	80	88	88	100	100	100	93	85
6A	26	59	80	80	100	100	100	93	85

Differential Mode / Symmetrical (Line to Line)

Current	Frequency – MHz								
Rating	.01	.1	.5	1	10	50	100	300	1000
3A	6	51	78	88	100	100	100	93	85
6A	10	65	86	95	100	100	100	93	85