

Catalog: 1654001 Issue Date: 06.2011

High Frequency Power Line Filter or Power Entry Module

AQ Series



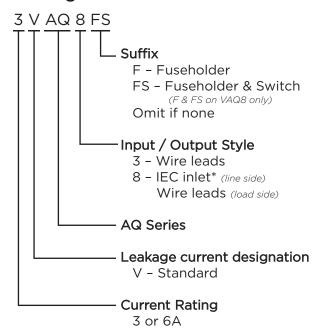
UL Recognized CSA Certified



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



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	<u>6A Models</u>
@ 120 VAC 60 Hz:	1.2 mA	.7 mA
@250 VAC 50 Hz:	2.3 mA	1.2 mA

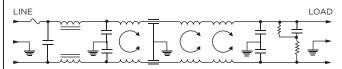
Hipot rating (one minute):

Line to Ground:	2250 VDC
Line to Line:	1450 VDC
Rated Voltage (max):	250 VAC
Operating Frequency:	50/60 Hz

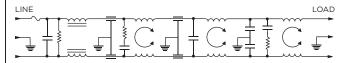
Rated Current: 3 or 6A

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: $I_o = I_r \sqrt{(85-T_a)/45}$

Electrical Schematics3A Models

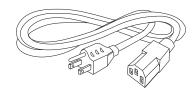


6A Models



Accessories

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



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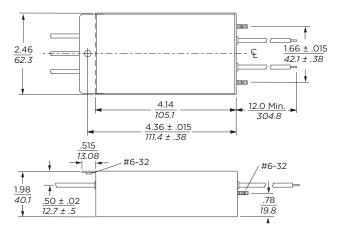


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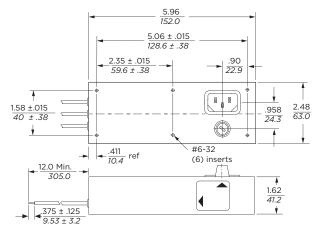
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Case Styles and Dimensions

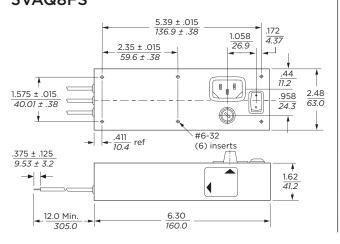
3VAQ3



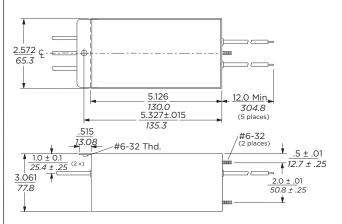
3VAQ8F



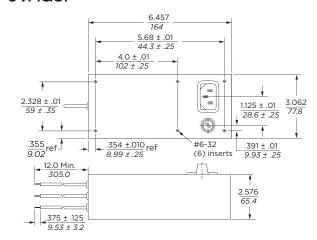
3VAQ8FS



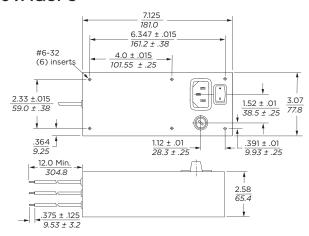
6VAQ3



6VAQ8F



6VAQ8FS



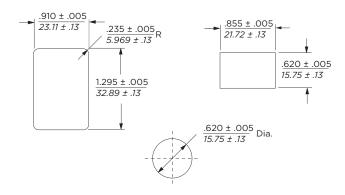


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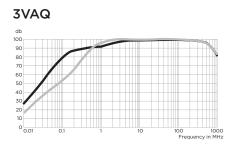
Recommended Panel Cutouts

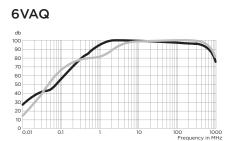


Performance Data

Typical Insertion Loss

Measured in closed 50 Ohm system





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			F	requ	ency	– MH	Z		
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