

High Frequency Power Line Filter or Power Entry Module

AQ Series



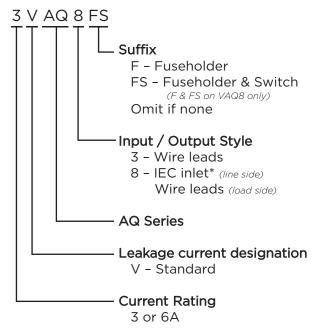
UL Recognized CSA Certified



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

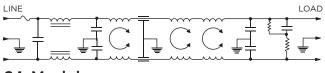
Specifications

Maximum leakage current each Line to Ground:

	<u>3A Models</u>	<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 Tempe	erature Range	
(at rated current I _r):	-1	0°C to +40°C
In an ambient temperat	ure (T _a) highe	er than +40°C

the maximum operating current (I_0) is calculated as follows: $I_0 = I_r \sqrt{(85-Ta)/45}$

Electrical Schematics 3A Models

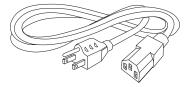


6A Models



Accessories

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

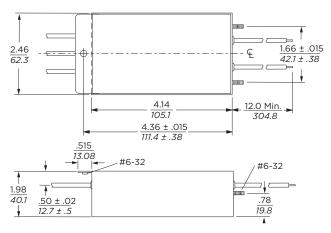


High Frequency Power Line Filter or Power Entry Module (continued)

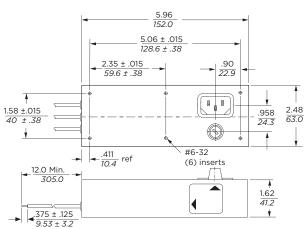
AQ Series

Case Styles and Dimensions

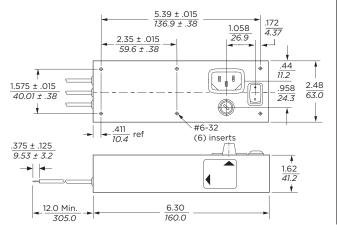
3VAQ3



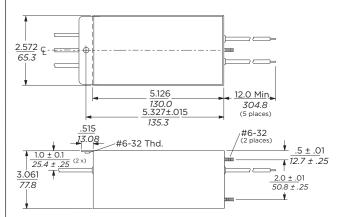
3VAQ8F



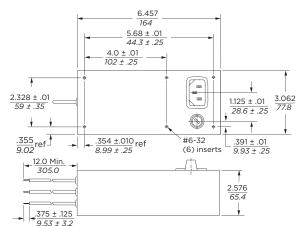
3VAQ8FS



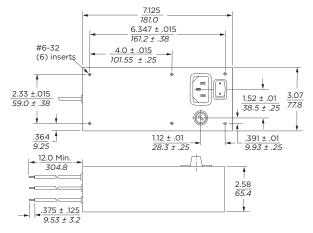
6VAQ3



6VAQ8F



6VAQ8FS



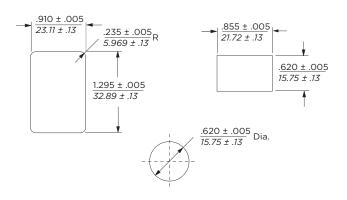
Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.



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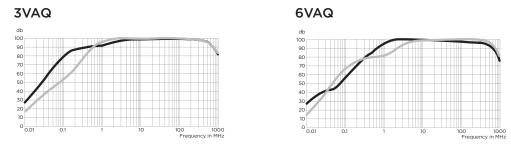
Recommended Panel Cutouts



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 (Li	ng to Ground)
CONTINUIT	Floue /	Asymmetrical (En	

Current Frequency – MHz				Current	Frequency – MHz														
Rating	.01	.1	.5	1	10	50	100	300	1000	Rating	.01	.1	.5	1	10	50	100	300	1000
3A	10	80	88	88	100	100	100	93	85	3A	6	51	78	88	100	100	100	93	85
6A	26	59	80	80	100	100	100	93	85	6A	10	65	86	95	100	100	100	93	85

Differential Mode / Symmetrical (Line to Line)