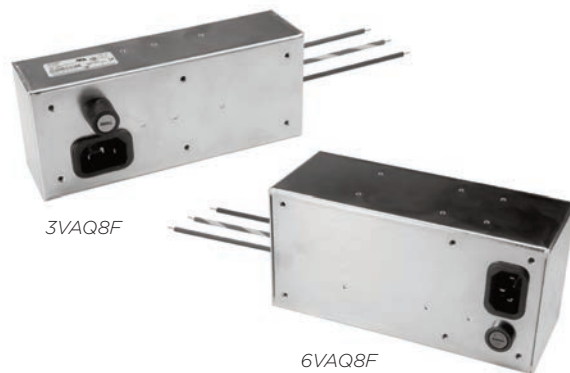


High Frequency Power Line Filter or Power Entry Module

AQ Series



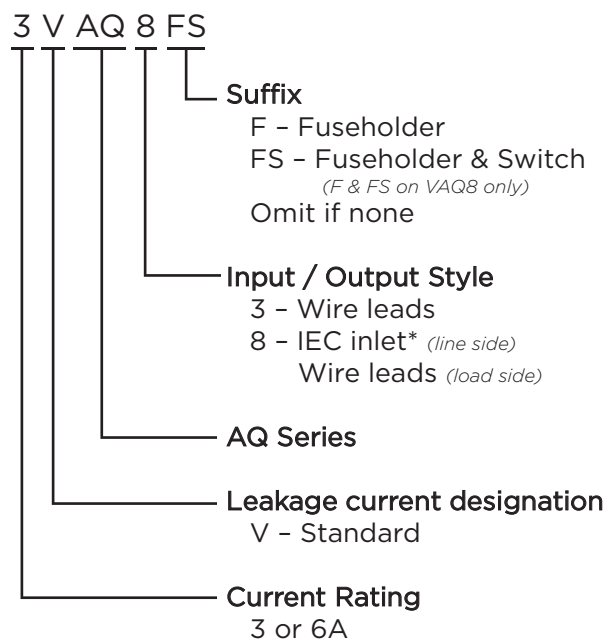
UL Recognized
CSA Certified



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	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:

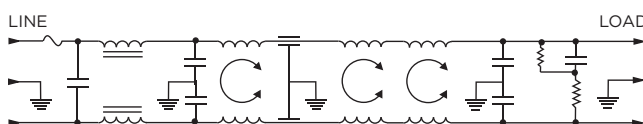
3 or 6A

Operating Ambient Temperature Range

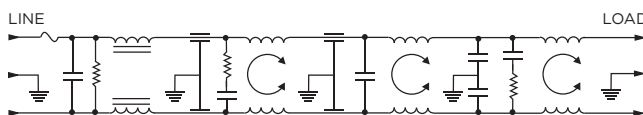
(at rated current I_r): -10°C to +40°C
In an ambient temperature (T_a) higher than +40°C the maximum operating current (I_o) is calculated as follows: $I_o = I_r \sqrt{(85-T_a)/45}$

Electrical Schematics

3A Models

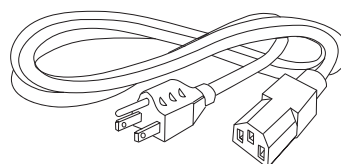


6A Models



Accessories

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

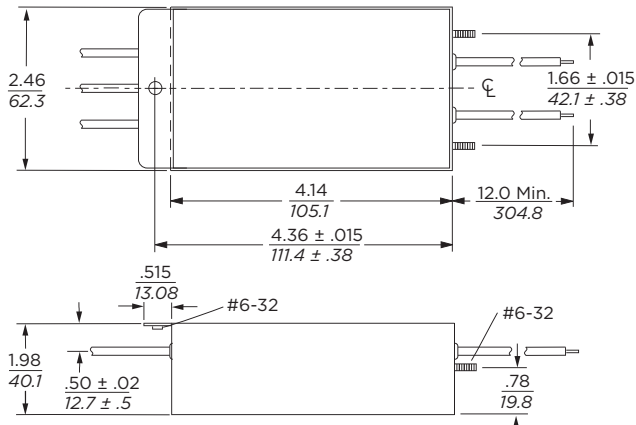


High Frequency Power Line Filter or Power Entry Module *(continued)*

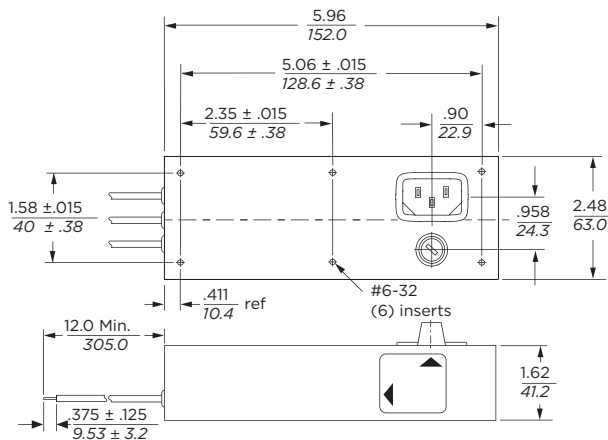
AQ Series

Case Styles and Dimensions

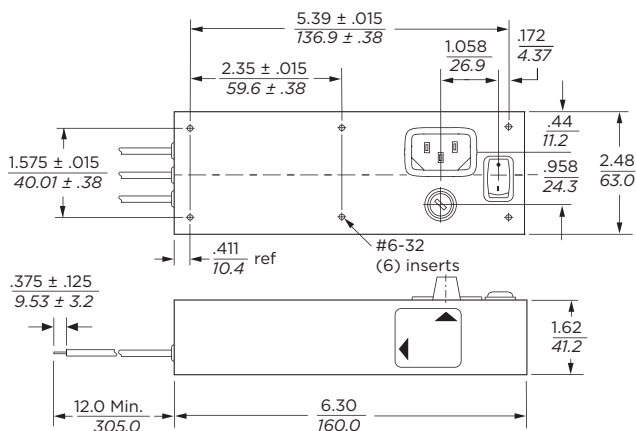
3VAQ3



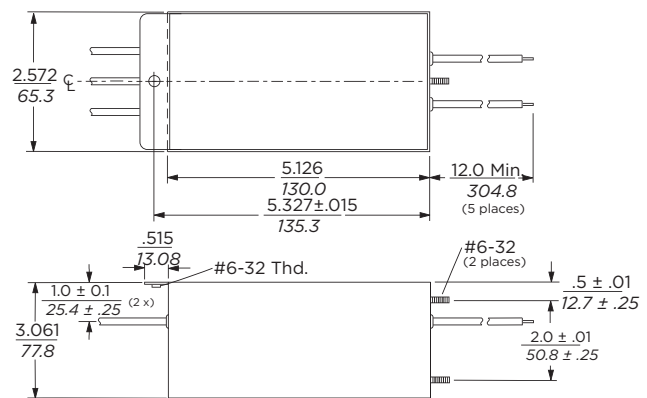
3VAQ8F



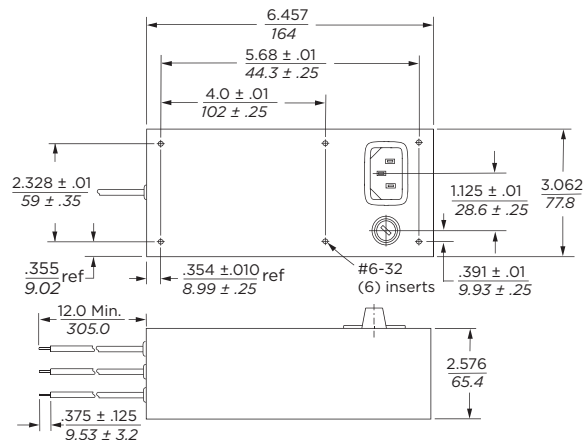
3VAQ8FS



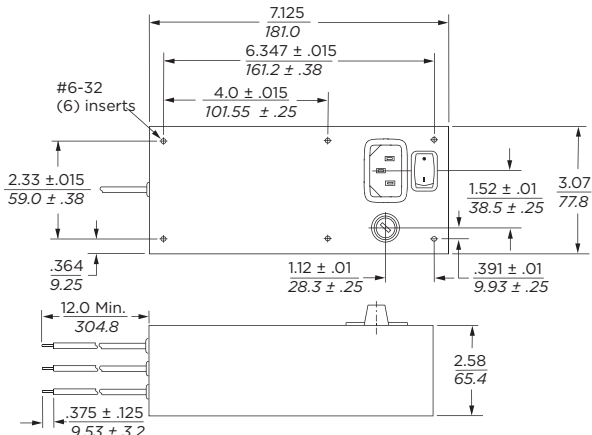
6VAQ3



6VAQ8F



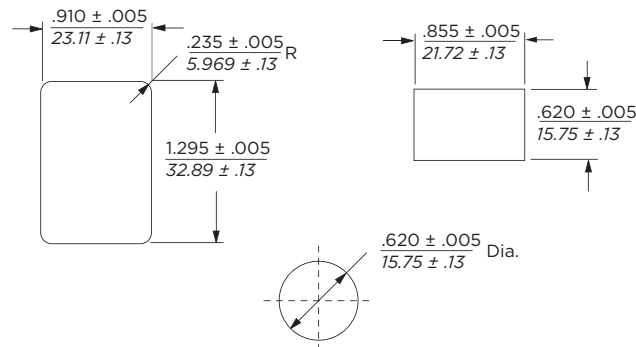
6VAQ8FS



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

AQ Series

Recommended Panel Cutouts

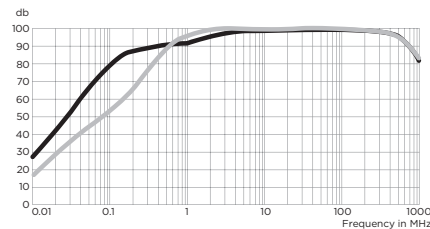


Performance Data

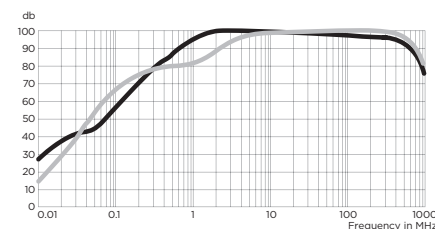
Typical Insertion Loss

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 Rating	Frequency – MHz								
	.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 Rating	Frequency – MHz								
	.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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[6VAQ3](#) [3VAQ3](#) [3VAQ8FS](#)