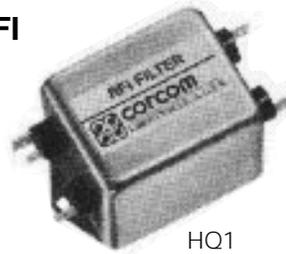


HQ Series

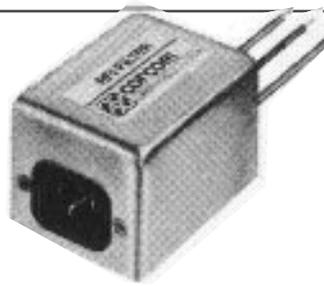
Highest Performance RFI
Filters for
Medical Equipment



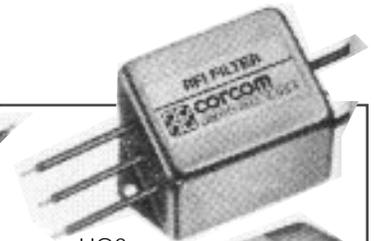
UL Recognized
CSA Certified
VDE Approved



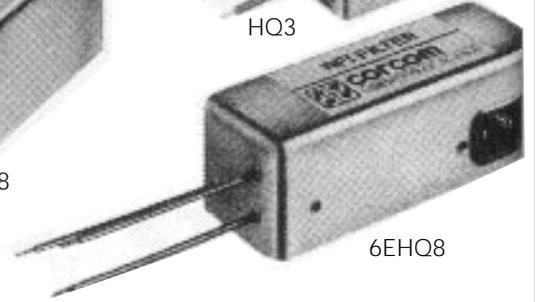
HQ1



3EHQ8



HQ3



6EHQ8

HQ Series

HQ series power line filters provide the highest available common-mode and differential-mode attenuation to RFI noise in the frequency range from 10kHz to 30MHz, for IEC601 and UL544 patient-connected equipment, as well as all other electronic equipment that cannot tolerate any leakage current.

They are a size- and cost-effective solution to the problem of meeting both medical leakage current limits and conducted emissions limits in equipment with high noise sources (such as switching power supplies). HQ series filters can ensure compliance to the following Conducted Emissions standards:

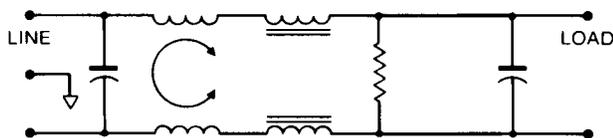
- European Normalized Standards based on EN55022, Level B
- FCC Part 15, Computing Devices, Class B.
- FCC Part 18, ISM Equipment, Industrial and Consumer.

They also provide the highest available susceptibility protection to medical equipment, permitting error-free operation in noisy environments, and enabling compliance to IEC801-6 and the FDA guidelines.

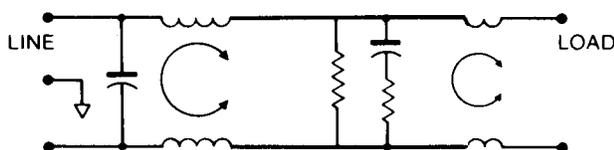
For more information on UL544, see Appendix C.

Electrical Schematics

3 Amp Models



6 Amp Models



Resistor location for reference only.

Specifications

Maximum leakage current, each
line-to-ground @ 120 VAC 60 Hz: 2µA
@ 250 VAC 50 Hz: 5µA

Hipot rating (one minute):
line-to-ground 1500 VAC
line-to-line 1450 VDC

Operating frequency: 50/60 Hz

Rated voltage: 120/250 VAC

Rated current:	@ 120 VAC	@ 250 VAC
3EHQ	3A	2A
6EHQ	6A	5A

Maximum rated current peaks:

3EHQ	10A
6EHQ	18A

Minimum insertion loss in dB:
In 50 ohm circuit

Line-to-Ground		Frequency MHz	Line-to-Line	
3 Amp	6 Amp		3 Amp	6 Amp
19	24	.01	1	6
24	29	.02	18	10
32	39	.05	43	43
44	42	.15	68	70
44	28	.5	75	75
40	35	1	75	75
38	36	2	72	75
28	30	5	70	65
25	30	7	66	50
22	24	10	65	55
13	16	20	60	50
10	15	30	60	40

Line Cord

Line Cord No. GA400:

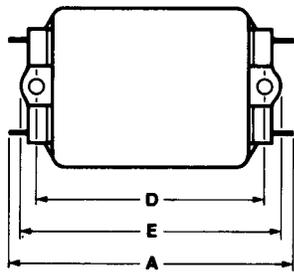
7 1/2 foot, 3-conductor line cord to mate with Q8 models.

Series HQ

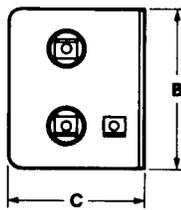
Case Styles

Metric shown in italics.

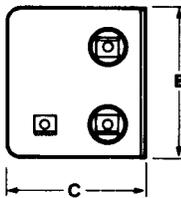
HQ1



3 Amp Models



6 Amp Models

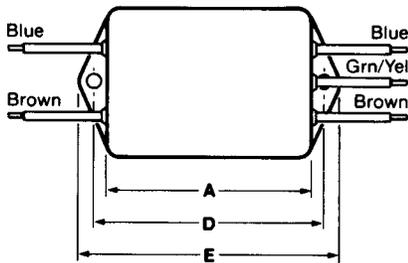


Typical dimensions

Terminals: $\frac{.250}{6.35}$ (5) Holes: $\frac{.07}{1.8}$ Dia. (4) Slot: $\frac{.07 \times .16}{1.8 \times 4.1}$

Mounting holes: $\frac{.188}{4.78}$ Dia. (2)

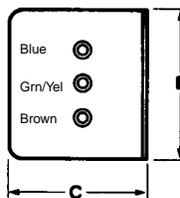
HQ3



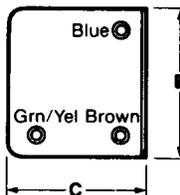
Typical dimensions

Wire leads: $\frac{4.0}{101.6}$ Min. Mounting holes: $\frac{.188}{4.78}$ Dia. (2)

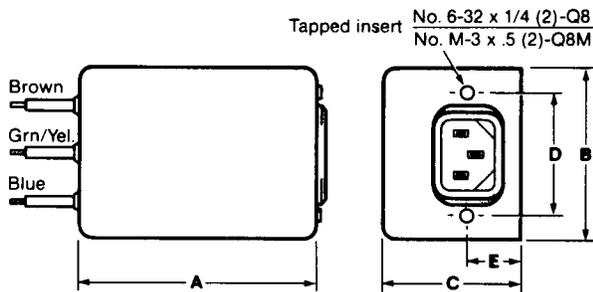
3 Amp Models



6 Amp Models



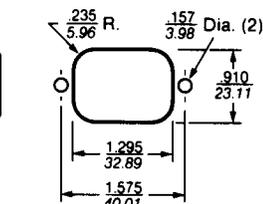
3EHQ8 & 3EHQ8M (with metric insert)



Tapped insert No. 6-32 x 1/4 (2)-Q8
No. M-3 x .5 (2)-Q8M

Typical dimensions

Wire leads: $\frac{6.0}{152.4}$ Min.



Panel cutout (Back mount)

Tolerance $\frac{\pm .005}{0.13}$

Case Dimensions

Metric shown in italics.

Part No.	A (max)	B (max)	C (max)	D $\pm .015$ $\pm .38$	E (max)
3EHQ1	$\frac{3.85}{97.8}$	$\frac{2.07}{52.6}$	$\frac{1.78}{45.2}$	$\frac{2.938}{74.63}$	$\frac{3.34}{84.8}$
3EHQ3	$\frac{2.56}{65.0}$	$\frac{2.07}{52.6}$	$\frac{1.78}{45.2}$	$\frac{2.938}{74.63}$	$\frac{3.34}{84.8}$
3EHQ8, 3EHQ8M	$\frac{3.07}{78.0}$	$\frac{2.25}{57.2}$	$\frac{1.78}{45.2}$	$\frac{1.575}{40.01}$	$\frac{0.63}{16.0}$ †
6EHQ1	$\frac{4.98}{126.5}$	$\frac{2.27}{57.7}$	$\frac{1.8}{45.7}$	$\frac{4.063}{103.2}$	$\frac{4.47}{113.5}$
6EHQ3	$\frac{3.69}{93.7}$	$\frac{2.27}{57.7}$	$\frac{1.8}{45.7}$	$\frac{4.063}{103.2}$	$\frac{4.47}{113.5}$
6EHQ8, 6EHQ8M	$\frac{5.47}{138.9}$	$\frac{2.07}{52.6}$	$\frac{1.78}{45.2}$	$\frac{1.575}{40.01}$	$\frac{2.7}{68.6}$ †

† $\frac{\pm .02}{\pm .5}$

Pricing

Consult your local Corcom sales representative for pricing.

Part No.	Part No.
3EHQ1	6EHQ1
3EHQ3	6EHQ3
3EHQ8	6EHQ8
3EHQ8M	6EHQ8M

Line Cord No. GA400

Case Style

Metric shown in italics.

6EHQ8 & 6EHQ8M (with metric insert)

