

6609012-3 Product Details



6609012-3

TE Internal Number: 6609012-3

Active

EMI/RFI Filters and Accessories

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Filter EMI/RFI
- Filter Type = Power Line
- H (3-15 Amp) Series
- Medical Application
- Mount Style = Flanged

Documentation & Additional Information

Product Drawings:

Customer Drawing 6EH1 (PDF, English)

Catalog Pages/Data Sheets:
• 1654001_CORCOM_PRODUCT_GUIDE_H_SERIES (PDF, English)

Product Specifications:

None Available

Application Specifications:

None Available

Instruction Sheets:

None Available

CAD Files: (CAD Format & Compression Information)

- 2D Drawing (DXF, Version C)
- 3D Model (IGES, Version C)
- 3D Model (STEP, Version C)

Additional Information:

• Product Line Information

Additional Product Images:

Insertion Loss/Specifications

Related Products:

Tooling

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- Product Type = Filter EMI/RFI
- Filter Type = Power Line
- Series = H (3-15 Amp)
- Ground Choke Option = Without
- Filtered = Yes
- Ground Option = None

Electrical Characteristics:

- Current Rating (A) = 6
- Voltage \leq (VAC) = 250
- Leakage Current (Line-to-Ground) Max. @ 120 VAC 60 Hz (μA)
- Leakage Current (Line-to-Ground) Max. @ 250 VAC 50 Hz (μA) = 5

Termination Features:
• Terminal Input - Output Combination = 1/4" Faston - 1/4" Faston

Body Features:

- Mount Style = Flanged
- Terminal Style Output = Straight

Industry Standards:

- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was RoHS compliant
- Approved Standards = VDE Approved, UL Recognized, CSA Certified

Conditions for Usage:

- Facility Installation = No
- Need Min Size With IEC Connector = No
- Need Optional Switch, Fusing, Or Voltage Selector = No

Operation/Application:

Application = Medical

Other:

• Brand = Corcom



Power Inlet Line Filter for Medical Equipment

H Series



UL Recognized CSA Certified VDE Approved*



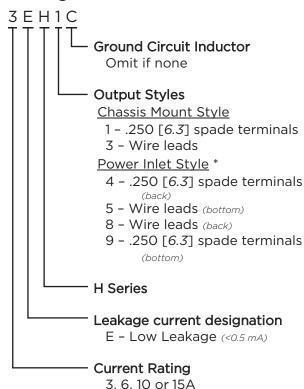
Catalog: 1654001

Issue Date: 06.2011

H Series

- Minimal leakage current suitable for medical equipment
- Two element circuit provides basic EMI attenuation above 1 MHz
- Available with an internal ground circuit inductor (C suffix versions) to isolate equipment chassis from power line ground at radio frequencies
- Flanged mounting the same as the EC, ED and EF Series
- Capacitive output (see EAH, EBH and EJH Series for capacitive input)

Ordering Information



*IEC 60320-1 C14 inlet mates with C13 connector

Specifications

Maximum leakage current each Line to Ground:

@ 120 VAC 60 Hz:@ 250 VAC 50 Hz:2 μA5 μA

Hipot rating (one minute):

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

Rated Voltage (max.): 250 VAC

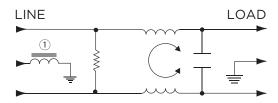
Operating Frequency: 50/60 Hz

Rated Current: 3 to 15A*

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 Schematic



Available Part Numbers

3EH1	6EH8			
3EH3	6EH9			
6EH1	10EH1			
6EH3	10EH3			
6EH4	10EH4			
6EH5	15EH4			
Ground Circuit Inductor Versions				

Ground Circuit inductor versions

10EH4C

*15A versions are tested by Underwriters Laboratories to US and Canadian requirements and are VDE approved at 10A, 250VAC



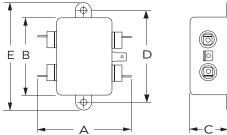
Catalog: 1654001 Issue Date: 06.2011

Power Inlet Line Filter for Medical Equipment (continued)

H Series

Case Styles

H1 (Chassis Mount)

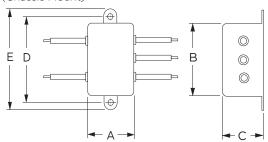


Typical Dimensions:

Mounting Holes: Line / Load Terminals (4): Ground Terminal (1):

.188 [4.78] Dia. .250 [6.3] with .07 [1.8] Dia. hole .250 [6.3] with .07 x .16 [1.8 x 3.8] slot

H3 (Chassis Mount)

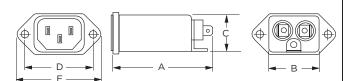


Typical Dimensions:

Mounting Holes: Wire Leads(5):

.188 [4.78] Dia. 4.0 [101.6] Min., 18AWG, UL1015

H4 & H4C

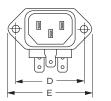


Typical Dimensions:

Line Inlet (1): Load Terminals (2): IEC 60320-1 C14

.250 [6.3] with .07 [1.8] Dia. hole Ground Terminal (1): .250 [6.3] with .07 x .16 [1.8 x 3.8] slot

H9

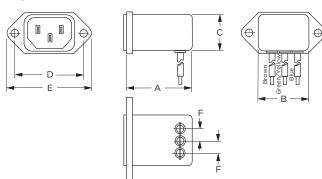


4 .65 16.5

Typical Dimensions:

Line Inlet (1): Load Terminals (2): Ground Terminal (1): IEC 60320-1 C14 .250 [6.3] with .07 [1.8] Dia. hole .250 [6.3] with .07 x .16 [1.8 x 3.8] slot

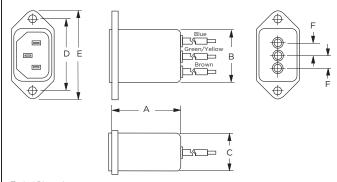
H5



Typical Dimensions: Line Inlet (1): Wire Leads:

IEC 60320-1 C14 4.0 [101.6] Min., 18AWG, UL1015

H8

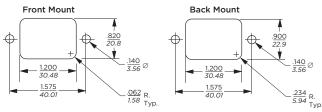


Typical Dimensions:

Line Inlet (1): Wire Leads:

IEC 60320-1 C14 4.0 [101.6] Min., 18AWG, UL1015

Recommended Panel Cutouts



Tolerances ± .005 [0.13] unless otherwise noted

Note 1: H4, H4C and H8 allow for front or back mounting H5 and H9 allow for back mounting only



Power Inlet Line Filter for Medical Equipment (continued)

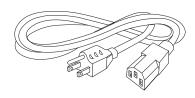
H Series

Case Dimensions

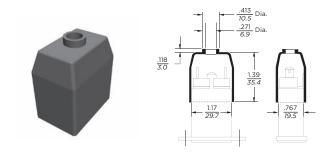
A (max.)	В	С	D	E	
(max.)			_		F
	(max.)	(max.)	± .015 ± .38	(max.)	(ref.)
2.25	1.82	0.66	2.125	2.53	_
57.2	46.1	16.7	53.98	64.2	
.96	1.82	0.66	2.125	2.53	_
24.40	46.1	16.7	53.98	64.2	
2.20	1.19	0.81	1.575	1.98	_
55.9	30.2	20.6	40.01	50.3	
2.62	1.19	0.81	1.575	1.98	_
66.5	30.2	20.6	40.01	50.3	
2.62	1.19	0.81	1.575	1.98	_
66.5	30.2	20.6	40.01	50.3	
1.55	1.19	0.85	1.575	1.98	.295
39.4	30.2	21.6	40.01	50.3	7.5
1.56	1.19	0.81	1.575	1.98	.295
39.7	30.2	20.6	40.01	50.3	7.5
1.55	1.19	0.85	1.575	1.98	_
39.4	30.2	21.6	40.01	50.3	
	57.2 .96 24.40 2.20 55.9 2.62 66.5 1.55 39.4 1.56 39.7 1.55	57.2 46.1 .96 1.82 24.40 46.1 2.20 1.19 55.9 30.2 2.62 1.19 66.5 30.2 1.55 1.19 39.4 30.2 1.56 1.19 39.7 30.2 1.55 1.19 39.7 30.2 1.55 1.19	57.2 46.1 16.7 .96 1.82 0.66 24.40 46.1 16.7 2.20 1.19 0.81 55.9 30.2 20.6 2.62 1.19 0.81 66.5 30.2 20.6 2.62 1.19 0.81 66.5 30.2 20.6 1.55 1.19 0.85 39.4 30.2 21.6 1.56 1.19 0.81 39.7 30.2 20.6 1.55 1.19 0.85	2.25 1.82 0.66 2.125 57.2 46.1 16.7 53.98 .96 1.82 0.66 2.125 24.40 46.1 16.7 53.98 2.20 1.19 0.81 1.575 55.9 30.2 20.6 40.01 2.62 1.19 0.81 1.575 66.5 30.2 20.6 40.01 2.62 1.19 0.81 1.575 66.5 30.2 20.6 40.01 1.55 1.19 0.85 1.575 39.4 30.2 21.6 40.01 1.56 1.19 0.81 1.575 39.7 30.2 20.6 40.01 1.55 1.19 0.81 1.575 39.7 30.2 20.6 40.01 1.55 1.19 0.85 1.575	2.25 1.82 0.66 2.125 2.53 57.2 46.1 16.7 53.98 64.2 .96 1.82 0.66 2.125 2.53 24.40 46.1 16.7 53.98 64.2 2.20 1.19 0.81 1.575 1.98 55.9 30.2 20.6 40.01 50.3 2.62 1.19 0.81 1.575 1.98 66.5 30.2 20.6 40.01 50.3 2.62 1.19 0.81 1.575 1.98 66.5 30.2 20.6 40.01 50.3 1.55 1.19 0.85 1.575 1.98 39.4 30.2 21.6 40.01 50.3 1.56 1.19 0.81 1.575 1.98 39.7 30.2 20.6 40.01 50.3 1.55 1.19 0.81 1.575 1.98 39.7 30.2 20.6 40.01 </td

Accessories

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



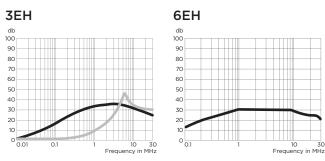
FA601: Insulating Shroud



Performance Data

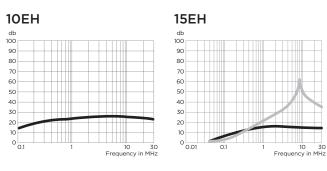
Typical Insertion Loss

Measured in closed 50 Ohm system



Catalog: 1654001

Issue Date: 06.2011



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	.15	.5	1	5	10	30
3A	18	27	30	30	27	18
6A	9	16	20	26	23	18
10A	7	13	15	17	16	14
15A	5	9	11	12	11	9

