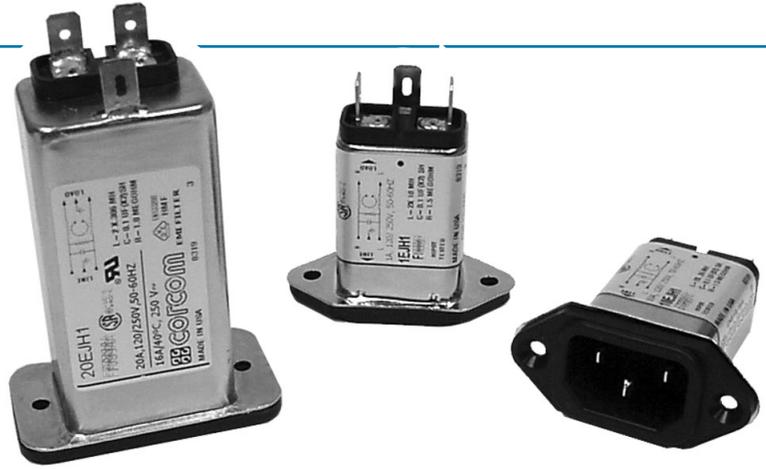


EJH Series

Enhanced Performance
Compact RFI Filter
IEC Connector Package



UL Recognized
CSA Certified
VDE Approved

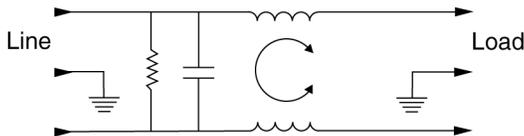


EJH Series

The new EJH series is the next generation of medical power inlet filters. The 1-15 amp versions are flange mounted and mechanically equivalent to the EAH/EBH series. The performance has been enhanced to meet the needs for more attenuation. The EJH also has an extended metal flange around the socket for improved high frequency EMI shielding as well as a larger contact area for the panel ground. These medical filters are designed to provide common and differential mode performance while maintaining the UL leakage requirements for medical and dental equipment.

The EJH series also includes a 20 amp version that uses the inlet IEC 320/C20. This product was designed to keep up with the demand for higher current equipment. Applications include higher current power supplies and computing equipment, which consist of work stations, base stations, servers, etc.

Electrical Schematic



Resistor location for reference only.

Specifications

Maximum leakage current, each line-to-ground
 @ 120 VAC 60 Hz: .22 mA
 @ 250 VAC 50 Hz: .38 mA

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

Operating frequency: 50/60 Hz

Rated voltage: 120/250 VAC

Operating Temperature: -10°C to 40°C

Rated Current:
 In an ambient (T_a) higher than 40°C maximum operating current, (I_o), is calculated as follows:

$$I_o = I_r \sqrt{\frac{100 - T_a}{60}}$$

Minimum insertion loss in dB:

Line-to-ground in 50 ohm circuit

Current Rating	Frequency-MHz								
	.01	.05	.1	.15	.5	1	5	10	30
1A	13	26	33	36	41	41	31	26	18
3A	-	9	15	19	27	31	30	26	20
6A	-	2	6	9	20	22	31	20	18
10A	-	1	4	7	12	17	19	18	18
15A	-	-	1	2	3	3	4	2	2
20A	-	-	3	5	14	16	12	11	11

Line-to-line in 50 ohm circuit

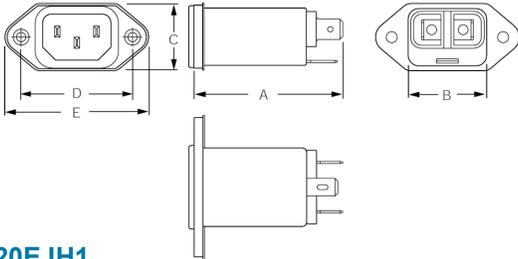
Current Rating	Frequency-MHz								
	.01	.05	.1	.15	.5	1	5	10	30
1A	-	-	5	8	19	27	45	36	32
3A	-	-	5	8	17	23	31	32	30
6A	-	-	5	8	17	21	32	30	30
10A	-	-	5	8	17	22	32	30	30
15A	-	-	5	8	17	23	36	38	40
20A	-	-	5	8	19	24	35	33	28

Series E JH

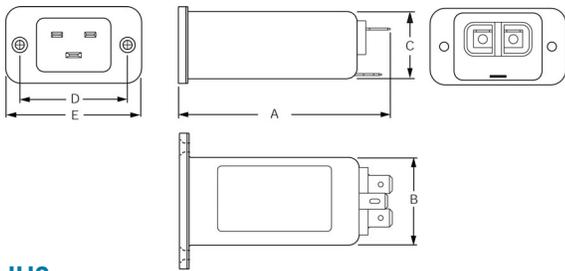
Case Styles

Metric shown in italics.

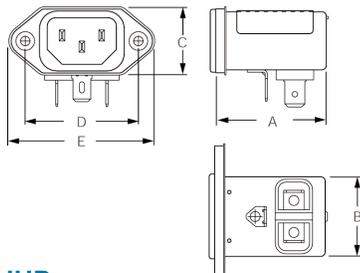
EJH1 (1 - 15 Amp versions)



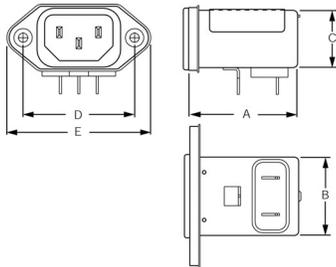
20EJH1



EJH2



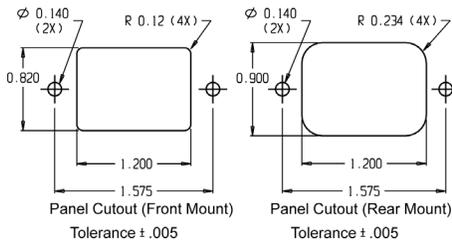
EJHP



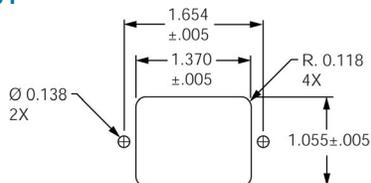
Recommended Panel Cutouts

1 to 15A E JH - all terminal types

Front mount only applicable to type 1 terminals



20EEJ1



Case Dimensions

Metric shown in italics.

Part No.	A (max)	B (max)	C (max)	D $\pm .015$ $\pm .38$	E (max)
1EJH1, 3EJH1	2.15	1.20	0.96	1.58	2.04
6EJH1, 10EJH1	54.61	30.48	24.38	40.00	51.76
15EJH1					
20EJH1	3.13 79.38	1.37 34.79	1.18 29.99	1.65 42.01	2.09 53.00
1EJH2, 3EJH2	1.54	1.13	0.96	1.58	2.04
6EJH2, 10EJH2	39.12	28.70	24.38	40.00	51.76
15EJH2	1.79 45.47	1.13 28.70	0.96 24.38	1.58 40.00	2.04 51.76
1EJHP, 3EJHP	1.54	1.13	0.96	1.58	2.04
6EJHP, 10EJHP	39.12	28.70	24.38	40.00	51.76
15EJHP	1.79 45.47	1.13 28.70	0.96 24.38	1.58 40.00	2.04 51.76

Ordering Information

Consult your local Corcom sales representative for pricing.

20EJH1

Current Rating
(1, 3, 6, 10, 15, 20A)

Terminal Type

- 1 - Straight 1/4" quick-connect
- 2 - Rt. Angle 1/4" quick-connect
- P - PCB mount

Series

- EJH - Medical Grade
- Extended Performance
- General purpose filter

Available Part Numbers

1EJH1	10EJH1
1EJH2	10EJH2
1EJHP	10EJHP
3EJH1	15EJH1
3EJH1	15EJH2
3EJHP	15EJHP
6EJH1	20EJH1
6EJH2	
6EJHP	