

HT Series

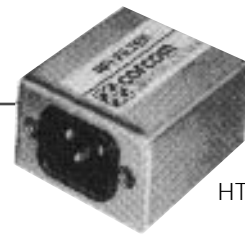
High Performance
RFI Power Line Filters
for Medical Equipment



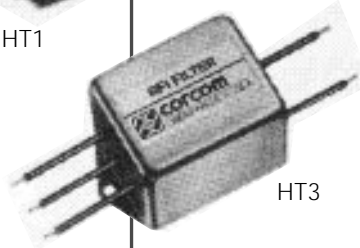
UL Recognized
CSA Certified
VDE Approved



HT1



HT7



HT3



HT6

HT Series

HT series power line filters provide superior common-mode and premium differential-mode attenuation to RFI noise on 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.

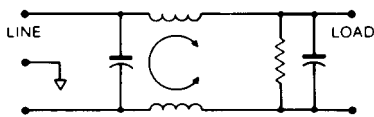
They are a size- and cost-effective solution to the problem of meeting both medical leakage current limits and conducted emissions limits in equipment with high noise sources (such as switching power supplies). HT series filters can ensure compliance to the following Conducted Emissions standards:

- German FTZ Decree #243/1991, Quasi-peak and Averaging limits.
- European Normalized Standards based on EN55022, Level A (in many cases, Level B also).
- FCC Part 15, Computing Devices, Class B.
- FCC Part 18, ISM Equipment, Industrial and Consumer.

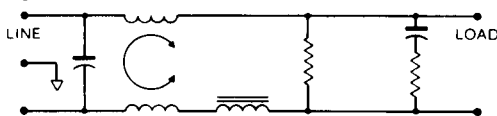
They also provide premium susceptibility protection to medical equipment, permitting error-free operation in noisy environments and enabling compliance to IEC801-6 and the FDA guidelines.

Electrical Schematics

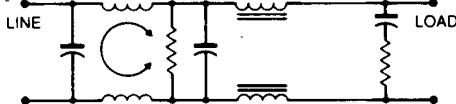
6 Amp



10 Amp



15 Amp



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
6EHT	6A	5A
10EHT	10A	8A
15EHT	15A	12A

Minimum insertion loss in dB:
In 50 ohm circuit

Line-to-Ground			Frequency MHz	Line-to-Line		
6 Amp	10 Amp	15 Amp		6 Amp	10 Amp	15 Amp
16	9	4	.01	4	7	12
23	15	9	.02	1	8	16
32	24	18	.05	14	17	15
41	30	22	.08	45	32	10
46	36	27	.15	51	52	51
41	42	41	.5	70	70	70
33	34	34	1	70	70	70
26	22	22	2	65	70	70
15	11	12	5	55	65	70
9	12	12	10	47	55	70
6	8	5	20	37	40	65
2	8	2	30	37	35	55

Line Cord

Line Cord No. GA400:

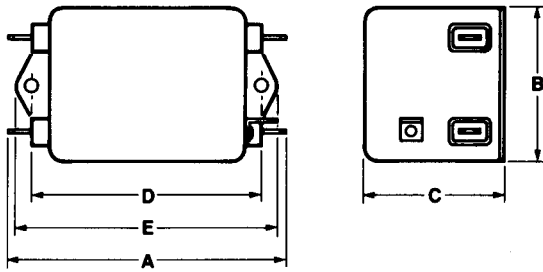
7 1/2 foot, 3-conductor line cord to mate with T7 models.

Series HT

Case Styles

Metric shown in italics.

HT1 (3, 6, and 10 Amp)

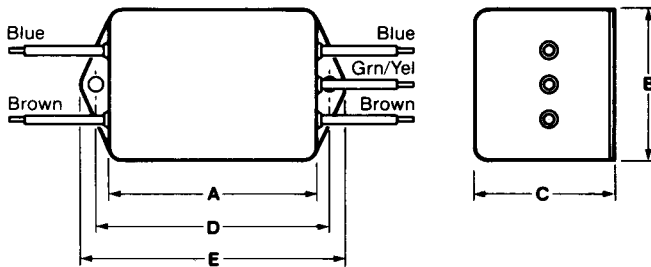


Typical dimensions

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)

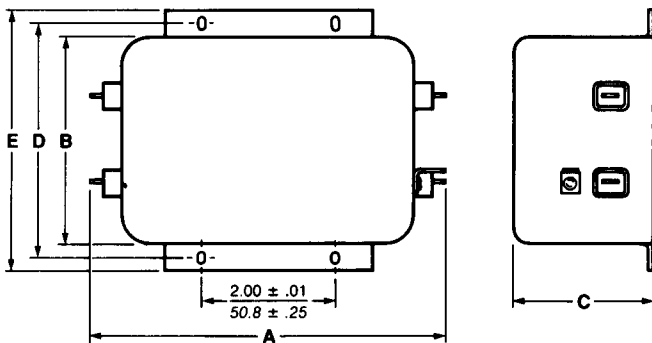
HT3



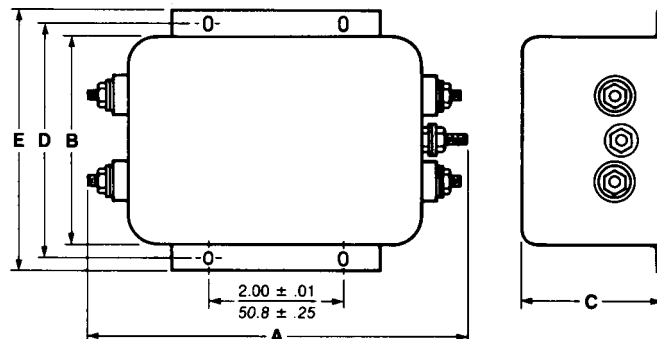
Typical dimensions

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

HT1 (15 Amp)



HT6



Typical dimensions

Terminals: No. 8-32 (5) Mounting slots: $\frac{.203 \times .156}{5.16 \times 3.96}$ (4)

Torque 18±2 in. lb.

Case Dimensions

Metric shown in italics.

Part No.	A (max)	B (max)	C (max)	D $\pm .015$ $\pm .38$	E (max)
6EHT1	$\frac{3.56}{90.4}$	$\frac{2.15}{54.6}$	$\frac{1.81}{46.0}$	$\frac{2.938}{74.63}$	$\frac{3.38}{85.9}$
6EHT3	$\frac{2.55}{64.8}$	$\frac{2.15}{54.6}$	$\frac{1.81}{46.0}$	$\frac{2.938}{74.63}$	$\frac{3.38}{85.9}$
6EHT7, 6EHT7M	$\frac{3.52}{89.4}$	$\frac{2.25}{57.2}$	$\frac{1.78}{45.2}$	$\frac{1.575}{40.01}$	$\frac{0.63}{16.0}$ †
10EHT1	$\frac{4.69}{119.1}$	$\frac{2.27}{57.7}$	$\frac{1.8}{45.7}$	$\frac{4.063}{103.2}$	$\frac{4.47}{113.5}$
10EHT3	$\frac{3.69}{93.7}$	$\frac{2.27}{57.7}$	$\frac{1.8}{45.7}$	$\frac{4.063}{103.2}$	$\frac{4.47}{113.5}$
15EHT1	$\frac{5.45}{138.4}$	$\frac{3.12}{79.2}$	$\frac{2.18}{55.4}$	$\frac{3.5}{88.9}$	$\frac{3.96}{100.6}$
15EHT6	$\frac{5.95}{151.1}$	$\frac{3.12}{79.2}$	$\frac{2.18}{55.4}$	$\frac{3.5}{88.9}$	$\frac{3.96}{100.6}$

† $\pm .02$
 $\pm .5$

Pricing

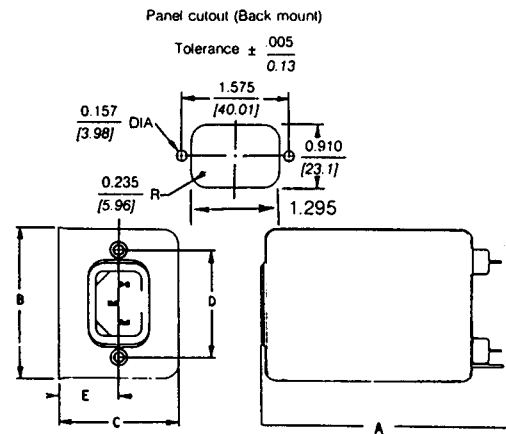
Consult your local Corcom sales representative for pricing.

Part No.	Part No.
6EHT1	10EHT1
6EHT3	10EHT3
6EHT7	15EHT1
6EHT7M	15EHT6

Case Styles

Metric shown in italics.

HT7 & HT7M (with metric insert)



Tapped insert
No. 6-32 x 1/4 (2)-T7
No. M-3 x .5(2)-T7M