HT Series

UL Recognized
CSA Certified
VDE Approved



HT Series

- Designed to provide significant attenuation of RFI noise in the frequency range from 10kHz to 30MHz
- Size and cost-effective

Specifications

Maximum leakage current each Line to Ground:
@ 120 VAC 60 Hz: 2 µA
@250 VAC 50 Hz: 5 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: $I_o = I_r \sqrt{(85-Ta)/45}$

Ordering Information

6 E HT 7 M

- **Suffix**
  - M – Metric inserts *(style 7 only)*
  - Omit for standard or none
- **Input / Output Style**
  - 1 – .250 [6.3] spade terminals
  - 3 – Wire leads
  - 6 – Threaded bolt
  - 7 – IEC inlet* *(line side)*
    .250 [6.3] spade terminals *(load side)*
- **HT Series**
- **Leakage current designation**
  - E – Low leakage *(<0.5 mA)*
- **Current Rating**
  - 3, 6, 10 or 15A

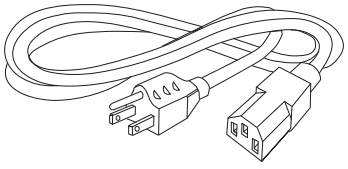
*IEC 60320-1 C14 inlet mates with C13 connector

Available Part Numbers

3EHT1	6EHT7
3EHT3	6EHT7M
3EHT7	10EHT1
3EHT7M	10EHT3
6EHT1	15EHT1
6EHT3	15EHT6

Accessories

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



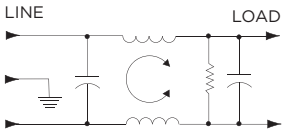
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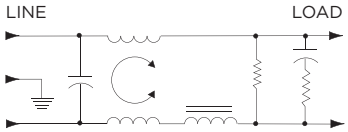
HT Series

Electrical Schematics

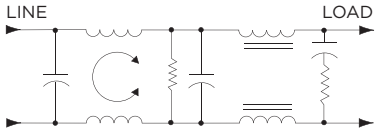
3 & 6EHT



10EHT

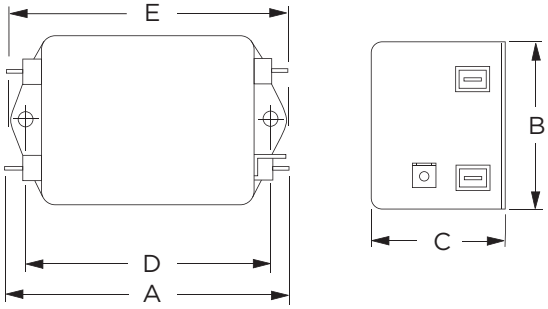


15EHT



Case Styles

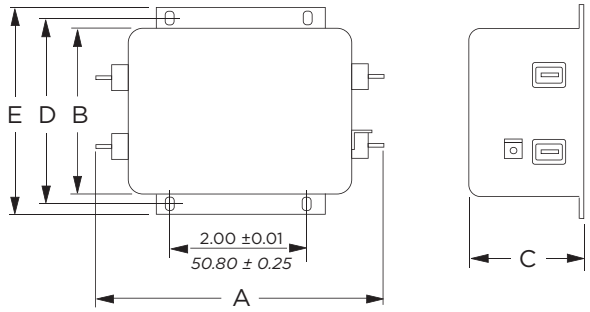
HT1 (3, 6, 10A)



Typical Dimensions:

Line/Load Terminals (4):	.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
Mounting Holes (2):	.188 [*4.78*] Dia.

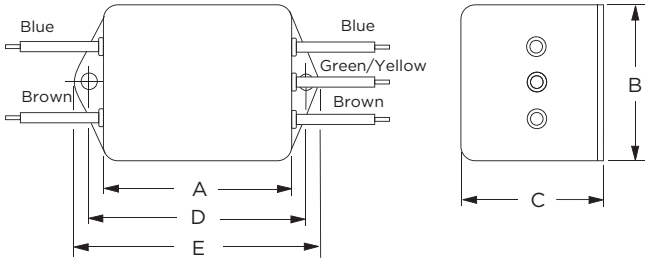
HT1 (15A)



Typical Dimensions:

Line/Load Terminals (4):	.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
Mounting Slots (4):	.203 x .156 [*5.16 x 3.96*] Dia.

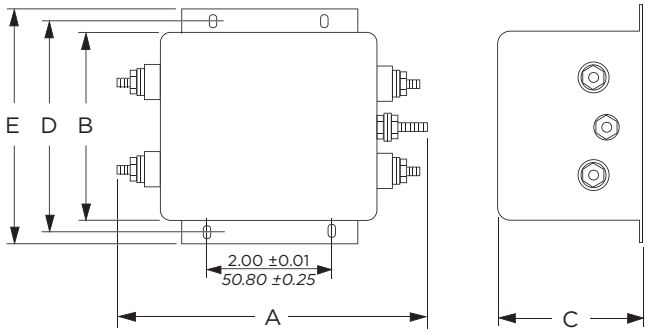
HT3



Typical Dimensions:

6A Wire Leads (5):	4.0 [*101.6*] Min., 18AWG
10A Wire Leads (5):	6.0 [152.4] Min., 18AWG
Mounting Holes (2):	.188 [4.78] Dia.

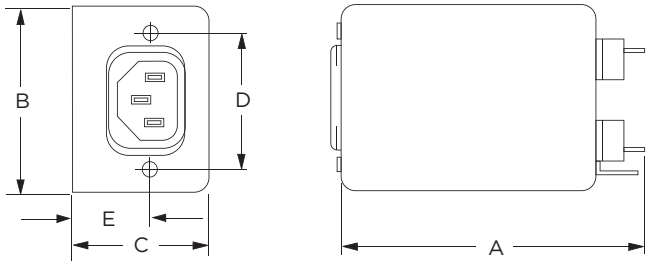
HT6



Typical Dimensions:

Terminals (5):	8-32, Torque 18 lbf-in. [*2.03* N-m] max. ± 2 [*.22*]
Mounting Slots (4):	.203 x .156 [*5.16 x 3.96*] Dia.

HT7 & HT7M



Typical Dimensions:

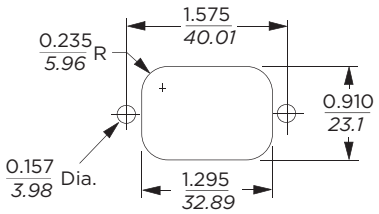
Load Terminals (2):	.250 [*6.3*] with .07 [*1.8*] Dia. hole
Ground Terminal (1):	.250 [*6.3*] with .07 x .16 [*1.8 x 3.8*] slot
Line Inlet (1):	IEC 60320-1 C14
HT7 Tapped Inserts (2):	6-32 x 1/4
HT7M Tapped Inserts (2):	M3 x .5

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HT Series

Recommended Panel Cutout



Tolerance ± .005 [0.13]

Case Dimensions

Part No.	A (max)	B (max)	C (max)	D ± .015 / ± .38	E (max)
3EHT1, 6EHT1	**3.56** *90.4*	**2.15** *54.6*	**1.81** *46.0*	**2.938** *74.63*	**3.38** *85.9*
3EHT3, 6EHT3	**2.55** *64.8*	**2.15** *54.6*	**1.81** *46.0*	**2.938** *74.63*	**3.38** *85.9*
3EHT7 / 7M, 6EHT7 / 7M	**3.52** *89.4*	**2.25** *57.2*	**1.78** *45.2*	**1.575** *40.01*	**0.63*** *16.0**
10EHT1	**4.69** *119.1*	**2.27** *57.7*	**1.8** *45.7*	**4.063** *103.2*	**4.47** *113.5*
10EHT3	**3.69** *93.7*	**2.27** *57.7*	**1.8** *45.7*	**4.063** *103.2*	**4.47** *113.5*
15EHT1	**5.45** *138.4*	**3.12** *79.2*	**2.18** *55.4*	**3.5** *88.9*	**3.96** *100.6*
15EHT6	**5.95** *151.1*	**3.12** *79.2*	**2.18** *55.4*	**3.5** *88.9*	**3.96** *100.6*

*±0.02 [0.5]

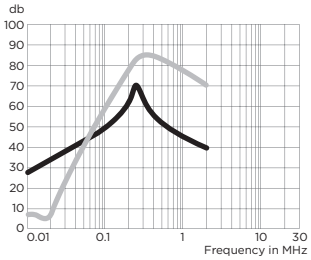
Performance Data

Typical Insertion Loss

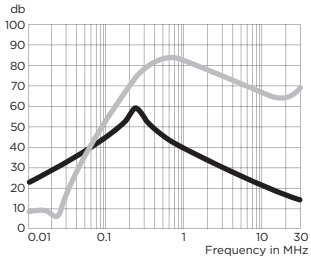
Measured in closed 50 Ohm system

Common Mode / Asymmetrical (L-G)
Differential Mode / Symmetrical (L-L)

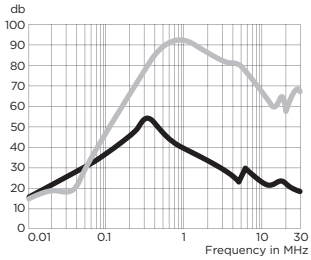
3EHT



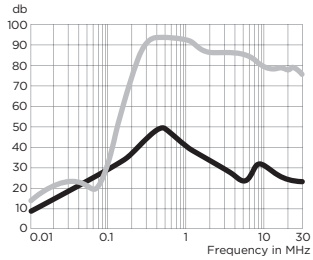
6EHT



10EHT



15EHT



Minimum Insertion Loss

Common Mode / Asymmetrical (Line to Ground)

Current Rating	Frequency – MHz .02	.02	.05	.08	.15	.5	1	2	5	10	20	30
3A	22	32	36	-	49	46	40	30	22	12	12	12
6A	16	23	32	41	46	41	33	26	15	9	6	2
10A	9	15	24	30	36	42	34	22	11	12	8	8
15A	4	9	18	22	27	41	34	22	12	12	5	2

Differential Mode / Symmetrical (Line to Line)

Current Rating	Frequency – MHz .02	.02	.05	.08	.15	.5	1	2	5	10	20	30
3A	3	1	30	-	61	70	65	65	48	40	32	32
6A	4	1	14	45	51	70	70	65	55	47	37	37
10A	7	8	17	32	52	70	70	70	65	55	40	35
15A	12	16	15	10	51	70	70	70	70	70	65	55

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