

Catalog: 1654001 Issue Date: 06.2011

#### **High Performance RFI Power Line Filters for Medical Equipment**

# **HT Series**

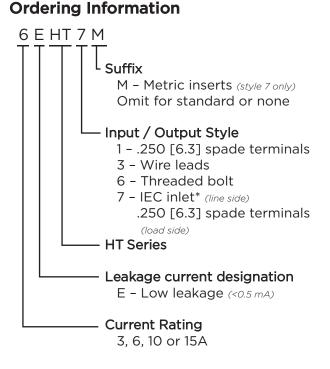


UL Recognized CSA Certified VDE Approved



#### **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:@ 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** 

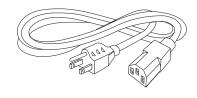
(at rated current  $I_r$ ): -10°C to +40°C In an ambient temperature ( $T_a$ ) higher than +40°C the maximum operating current ( $I_o$ ) is calculated as follows:  $I_o = I_r \sqrt{(85-T_a)/45}$ 

#### **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



\*IEC 60320-1 C14 inlet mates with C13 connector

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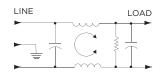


#### High Performance Power Line Filters for Medical Equipment (continued)

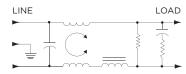
# **HT Series**

### **Electrical Schematics**

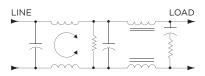
#### 3 & 6EHT



### **10EHT**

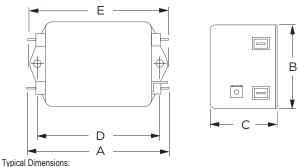


### 15EHT



## **Case Styles**

#### **HT1** (3, 6, 10A)

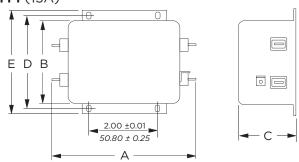


Line/Load Terminals (4):
Ground Terminal (1):

Mounting Holes (2):

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

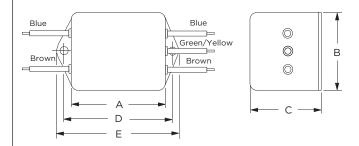
#### **HT1** (15A)



Typical Dimensions: Line/Load Terminals (4):

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.

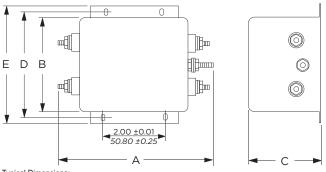
#### HT3



Typical Dimensions:

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

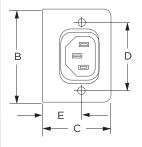
#### HT6

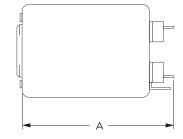


Typical Dimensions:

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

#### **HT7 & HT7M**





Typical Dimensions:

Load Terminals (2): Ground Terminal (1): Line Inlet (1): HT7 Tapped Inserts (2):

HT7M Tapped Inserts (2):

.250 [6.3] with .07 [1.8] Dia. hole .250 [6.3] with .07 x .16 [1.8 x 3.8] slot IEC 60320-1 C14 6-32 x 1/4 M3 x .5

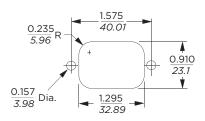


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#### **Recommended Panel Cutout**



Tolerance ± .005 [0.13]

#### **Case Dimensions**

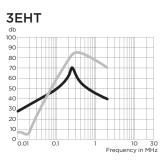
Part No.	Α	В	С	D	E	
Fait No.	(max)	(max)	(max)	± .015 ± .38	(max)	
3EHT1,	3.56	2.15	1.81	2.938	3.38	
6EHT1	90.4	54.6	46.0	74.63	85.9	
3EHT3,	2.55	2.15	1.81	2.938	3.38	
6EHT3	64.8	54.6	46.0	74.63	85.9	
3EHT7 / 7M,	3.52	2.25	1.78	1.575	0.63*	
6EHT7 / 7M	89.4	57.2	45.2	40.01	16.0*	
10EHT1	4.69	2.27	1.8	4.063	4.47	
IOEHII	119.1	57.7	45.7	103.2	113.5	
10EHT3	3.69	2.27	1.8	4.063	4.47	
IUEH13	93.7	57.7	45.7	103.2	113.5	
1551171	5.45	3.12	2.18	3.5	3.96	
15EHT1	138.4	79.2	55.4	88.9	100.6	
15EHT6	5.95	3.12	2.18	3.5	3.96	
135010	151.1	79.2	55.4	88.9	100.6	

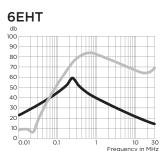
\*±0.02 [0.5]

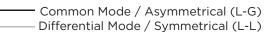
#### **Performance Data**

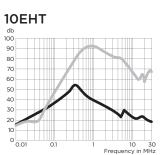
#### **Typical Insertion Loss**

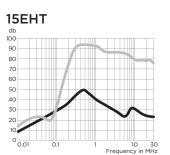
Measured in closed 50 Ohm system











#### **Minimum Insertion Loss**

Common Mode / Asymmetrical (Line to Ground)

Current	Frequency - MHz											
Rating	.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)

Curren	t	Frequency – MHz										
Rating	.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

# 单击下面可查看定价,库存,交付和生命周期等信息

# >>TE Connectivity(泰科)