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Find the *Tyco Electronics / Corcom 15VT1* at our website: ***Click HERE***

T Series

UL Recognized
CSA Certified
VDE Approved



T Series

- Superior common-mode and premium differential-mode attenuation
- Smaller package sizes than the EP Series
- Size and cost-effective
- ET models can help meet very low leakage current requirements

Specifications

Maximum leakage current each Line to Ground:

3, 6 & 10A	ET Models	VT Models
@120 VAC 60 Hz:	.30 mA	.75 mA
@250 VAC 50 Hz:	.50 mA	1.2 mA
15 & 20A		
@120 VAC 60 Hz:	.30 mA	1.2 mA
@250 VAC 50 Hz:	.50 mA	2.0 mA

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 20A

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: $I_o = I_r \sqrt{(85\text{-}Ta)/45}$

Ordering Information

10 E T 1

- **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)*
- **T Series**
- **Leakage current designation**
  - E – Low leakage *(<0.5 mA)*
  - V – Standard
- **Current Rating**
  - 3, 6, 10, 15 or 20A

*IEC 60320-1 C14 inlet mates with C13 connector

Available Part Numbers

3ET1	10ET1	10VT1
3ET3	10ET3	10VT3
3ET7	15ET1	15VT1
6ET1	15ET6	15VT6
6ET3	20ET1	20VT1
6ET7	20ET6	20VT6

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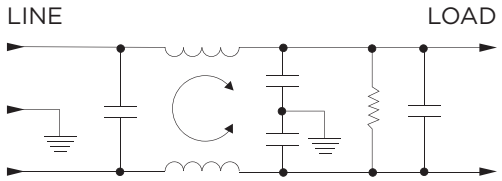
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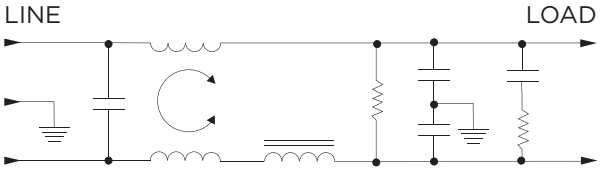
T Series

Electrical Schematics

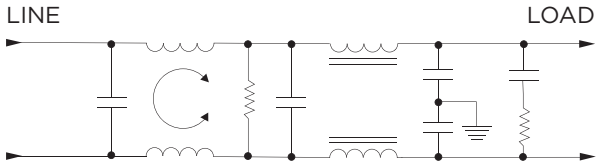
3 & 6A



10A

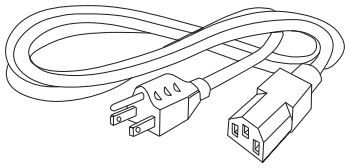


15 & 20A



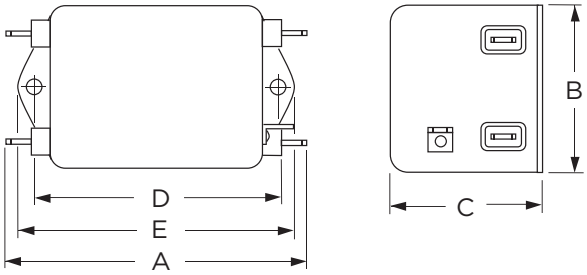
Accessories

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



Case Styles

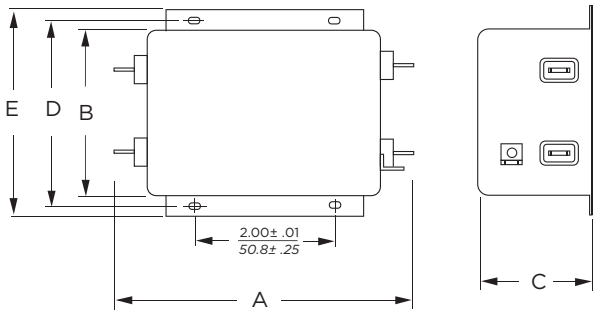
T1 (3, 6, 10A)



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.

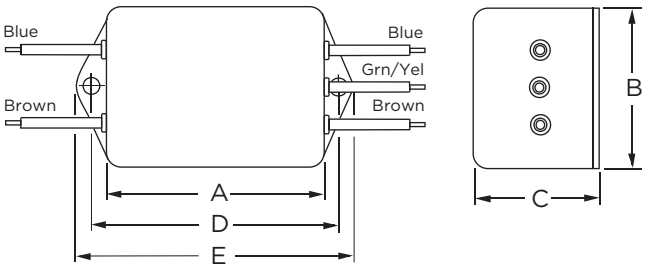
T1 (15 & 20A)



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):	.250 x .156 [*6.35 x 3.96*] Dia.

T3



Typical Dimensions:

Wire Leads (5):	4.0 [*101.6*] Min., AWG18
Mounting Holes (2):	.188 [4.78] Dia.

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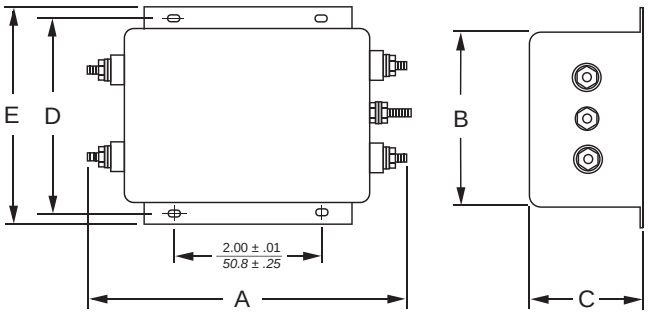
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T Series

Case Styles *(continued)*

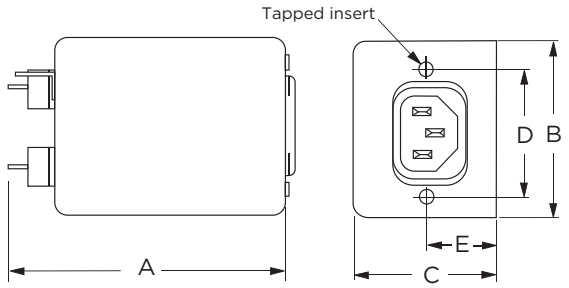
T6



Typical Dimensions:

Terminals (5):	8-32, Torque 18 lbf-in. [*2.03* N-m] max. ± 2 [*.22*]
Mounting Slots (4):	.250 x .156 [*6.35 x 3.96*] Dia.

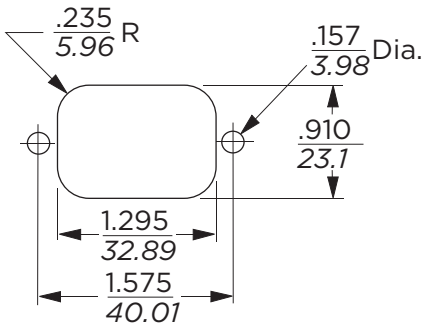
T7



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
Tapped Inserts (2):	6-32 x 1/4

Recommended Panel Cutout



Tolerance ± .005 [0.13]

Case Dimensions

Part No.	A (max)	B (max)	C (max)	D ± .015 ± .38	E (max)
3ET1, 6ET1	**3.56**	**2.15**	**1.81**	**2.938**	**3.38**
	90.4	*54.6*	*46.0*	*74.63*	*85.9*
3ET3, 6ET3	**2.55**	**2.15**	**1.81**	**2.938**	**3.38**
	64.8	*54.6*	*46.0*	*74.63*	*85.9*
3ET7, 6ET7	**3.52**	**2.25**	**1.78**	**1.575**	**0.63***
	89.4	*57.2*	*45.2*	*40.01*	*16.0**
10ET1, 10VT1	**4.69**	**2.27**	**1.80**	**4.063**	**4.47**
	119.1	*57.7*	*45.7*	*103.2*	*113.5*
10ET3, 10VT3	**3.69**	**2.27**	**1.80**	**40.63**	**4.47**
	93.7	*57.7*	*45.7*	*103.2*	*113.5*
15ET1, 15VT1, 20ET1, 20VT1	**5.45**	**3.12**	**2.18**	**3.5**	**3.96**
	138.4	*79.2*	*55.4*	*88.9*	*100.6*
15ET6, 15VT6, 20ET6, 20VT6	**5.95**	**3.12**	**2.18**	**3.5**	**3.96**
	151.1	*79.2*	*55.4*	*88.9*	*100.6*

*±0.02 [*0.5*]

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T Series

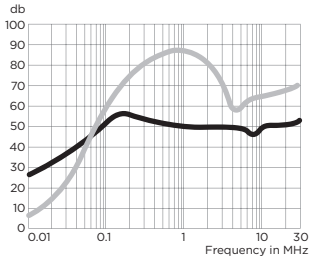
Performance Data

Typical Insertion Loss

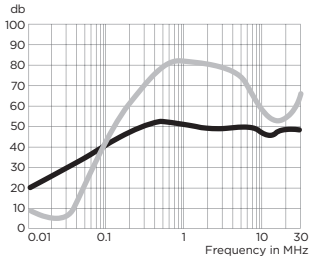
Measured in closed 50 Ohm system

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

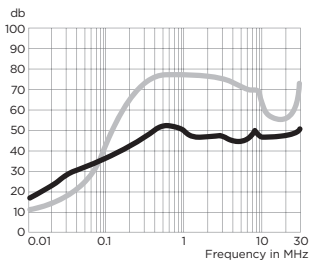
3ET



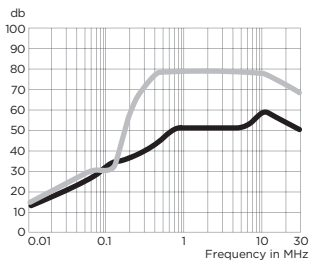
6ET



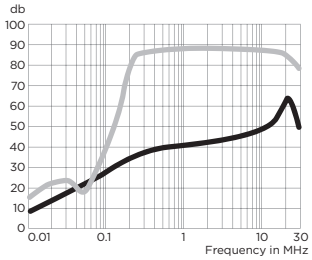
10ET



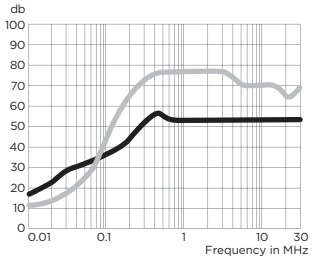
15ET



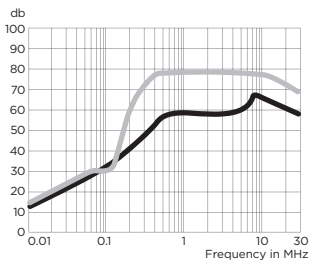
20ET



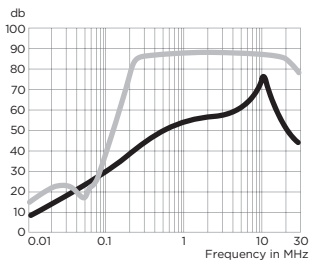
10VT



15VT



20VT



Minimum Insertion Loss

Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

Current Rating	Frequency – MHz										
	.01	.03	.05	.15	.5	1	2	5	10	20	30
ET Models											
3A	22	32	36	46	47	44	43	40	42	42	42
6A	16	26	30	41	47	44	43	43	40	42	42
10A	12	22	26	36	47	42	42	40	42	42	45
15A	8	17	22	31	43	44	44	42	47	52	43
20A	3	12	17	26	34	36	37	37	42	47	38
VT Models											
10A	12	22	26	38	52	50	50	50	50	50	50
15A	8	17	22	33	52	52	52	52	57	45	35
20A	3	12	17	29	42	47	50	51	55	40	30

Differential Mode / Symmetrical (Line to Line)

Current Rating	Frequency – MHz										
	.01	.03	.05	.15	.5	1	2	5	10	20	30
ET Models											
3A	3	1	30	61	70	70	70	50	50	50	55
6A	4	2	14	51	70	70	70	65	47	50	55
10A	7	12	17	52	70	70	70	65	55	50	60
15A	12	19	15	51	70	70	70	70	70	65	60
20A	10	17	13	51	70	70	70	70	67	65	60
VT Models											
10A	7	12	17	52	70	70	70	65	65	50	65
15A	12	19	15	51	70	70	70	70	70	65	60
20A	10	17	13	51	70	70	70	70	67	65	60

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