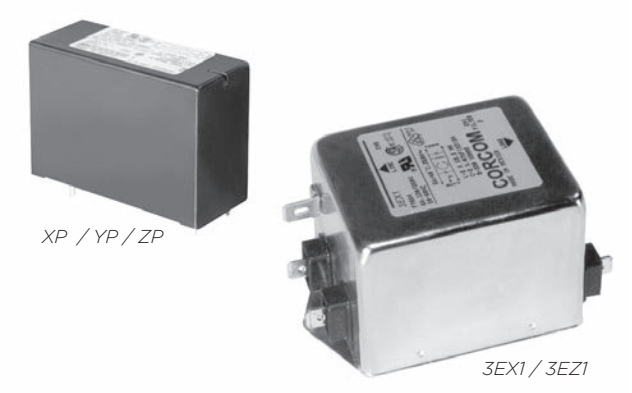
X, Y, Z Series

UL Recognized
CSA Certified
VDE Approved



X, Y, Z Series

- Compact chassis or PC board mountable
- Three levels of performance
- Complete filtering solution in minimal size

X Series

- Designed to bring most digital equipment (including those with switching power supplies) into compliance with FCC Part 15J, Class B conducted emission limits

Y Series

- Designed to bring most digital equipment (including those with switching power supplies) into compliance with EN55022, Level A and FCC Part 15J, Class B conducted emission limits

Z Series

- Designed to bring most digital equipment (including those with switching power supplies) into compliance with EN55022, Level B and FCC Part 15J, Class B conducted emission limits

Ordering Information

3 E X 1

- Input / Output Style
  - 1 – .250 [6.3] spade terminals
  - P – PC board pins
- X, Y or Z Series
- Leakage current designation
  - E – Low leakage *(<0.5 mA)*
- Current Rating
  - 1, 2, 3, 4 or 6A

Specifications

Maximum leakage current each Line to Ground:
@ 120 VAC 60 Hz: .30 mA
@250 VAC 50 Hz: .50 mA

Hipot rating (one minute):
Line to Ground: 2250 VDC
Line to Line: 1450 VDC

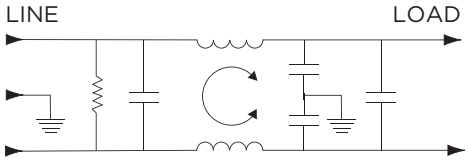
Rated Voltage (max): 250 VAC

Operating Frequency: 50/60 Hz

Rated Current: 1 to 6A

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

Electrical Schematic



Available Part Numbers

3EXP	4EYP
3EX1	1EZP
4EXP	2EZP
6EXP	3EZP
2EYP	3EZ1
3EYP	

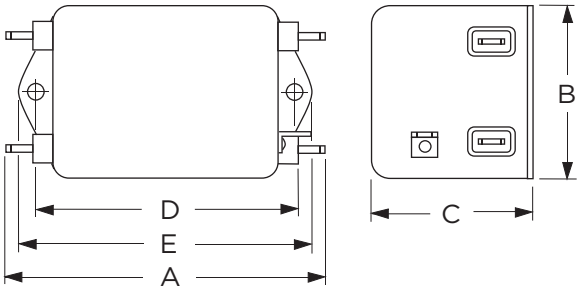
Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

For email, phone or live chat, please go to
te.com/help
corcom.com

X, Y, Z Series

Case Styles

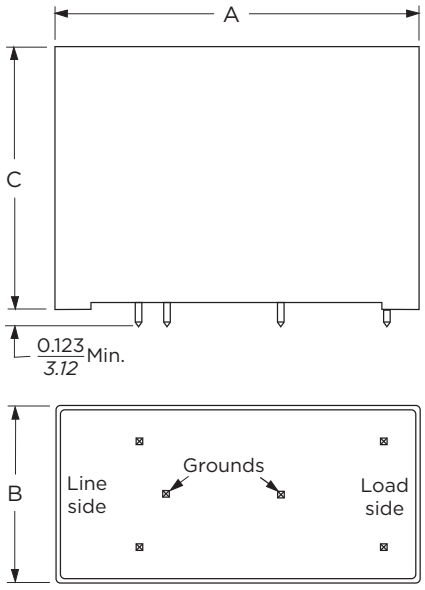
X1 & Z1



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.

XP, YP & ZP



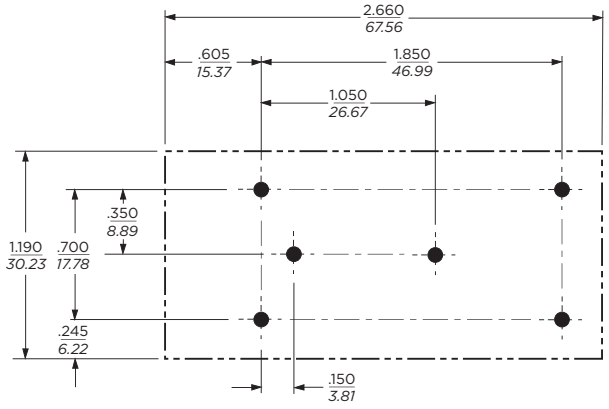
Typical Dimensions:

Pins (5):	0.065 [1.65] max. diagonal

Case Dimensions

Part No.	A (max)	B (max)	C (max)	D ± .015 ± .38	E (max)
3EXP	**2.61** *66.3*	**1.13** *28.7*	**1.62** *41.1*	—	—
3EX1	**3.01** *76.7*	**1.84** *46.8*	**1.16** *29.46*	**2.375** *60.33*	**2.79** *70.87*
4EXP	**2.61** *66.6*	**1.13** *28.7*	**1.62** *41.1*	—	—
6EXP	**2.61** *66.3*	**1.13** *28.7*	**1.75** *44.5*	—	—
2EYP	**2.61** *66.3*	**1.13** *28.7*	**1.62** *41.1*	—	—
3EYP, 4EYP	**2.61** *66.3*	**1.13** *28.7*	**1.75** *44.5*	—	—
1EZP	**2.61** *66.3*	**1.13** *28.7*	**1.62** *41.1*	—	—
2EZP, 3EZP	**2.61** *66.3*	**1.13** *28.7*	**1.75** *44.5*	—	—
3EZ1	**3.54** *89.9*	**2.08** *52.8*	**1.31** *33.3*	**2.938** *74.63*	**3.35** *85.1*

Recommended PC Board Layout



Tolerance ± .006 [.152]

Holes(6): .075 [1.91] Dia.

Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

For email, phone or live chat, please go to **te.com/help** **corcom.com**

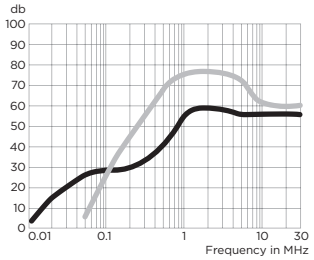
X, Y, Z Series

Performance Data

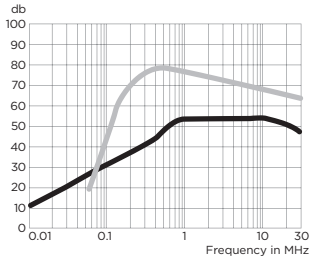
Typical Insertion Loss

Measured in closed 50 Ohm system

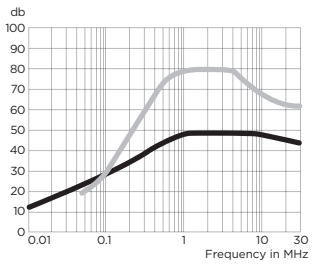
3EX



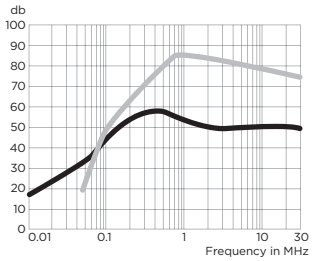
4EX



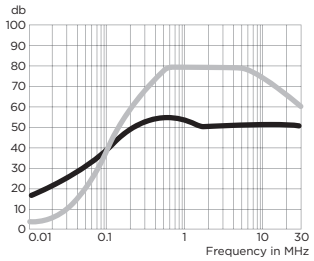
6EX



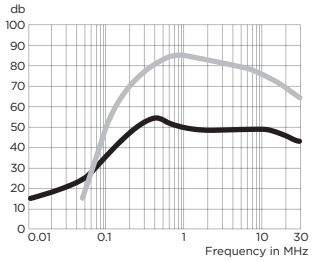
2EY



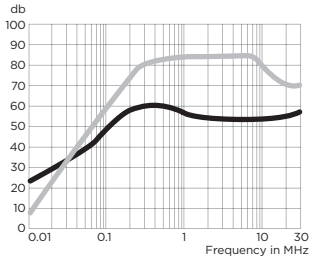
3EY



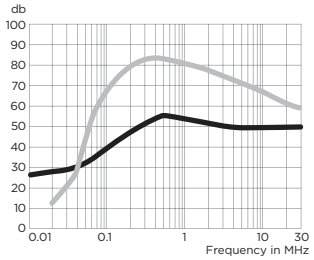
4EY



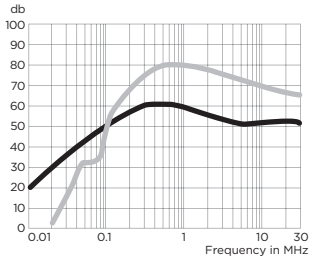
1EZ



2EZ



3EZ



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

Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

For email, phone or live chat, please go to
te.com/help
corcom.com

Performance Data *(Continued)*

Minimum Insertion Loss

Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

Part No.	Frequency – MHz .01	.05	.15	.5	1	5	10	30
X Series								
3A	2	13	21	35	46	44	44	44
4A	2	13	22	38	44	44	44	38
6A	2	11	20	35	40	40	40	36
Y Series								
2A	8	21	31	49	44	40	40	40
3A	11	24	36	43	40	40	40	40
4A	5	18	28	45	40	40	40	36
Z Series								
1A	18	32	43	47	44	43	43	45
2A	18	32	45	41	40	40	40	40
3A	15	29	39	43	42	40	40	40

Differential Mode / Symmetrical (Line to Line)

Part No.	Frequency – MHz .02	.03	.05	.07	.15	.5	1	5	10	30
X Series										
3A	-	-	-	5	34	60	65	60	45	50
4A	-	-	-	10	37	70	70	70	65	55
6A	-	-	-	3	31	65	70	70	65	55
Y Series										
2A	-	-	10	19	40	70	75	70	60	55
3A	-	-	10	20	42	68	68	67	62	50
4A	-	-	6	18	41	67	75	70	65	55
Z Series										
1A	7	29	34	43	62	70	70	70	60	55
2A	2	15	31	40	57	75	70	65	55	50
3A	-	10	26	34	53	75	75	70	60	55

Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

For email, phone or live chat, please go to
te.com/help
corcom.com