

Chassis or PC Board Mountable Power Line Filters for Emission Control

X, Y, Z Series



UL Recognized
CSA Certified
VDE Approved



XP / YP / ZP



3EX1 / 3EZ1

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

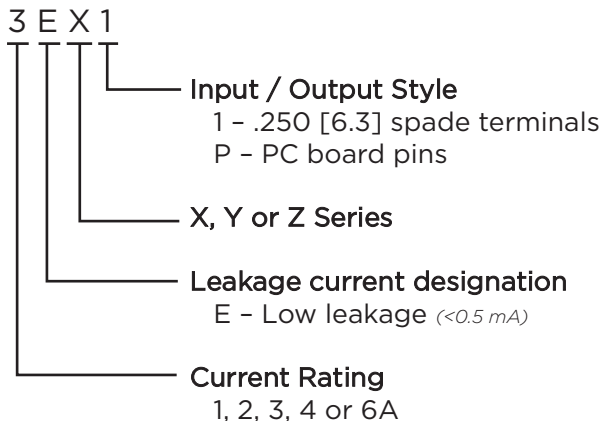
Y Series

- 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

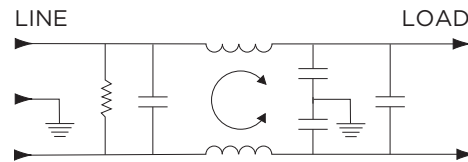
Ordering Information



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: $I_O = I_r \sqrt{(85-T_a)/45}$

Electrical Schematic



Available Part Numbers

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

Chassis & PC Board Mountable RFI Filters for Emission Control *(continued)*

X, Y, Z Series

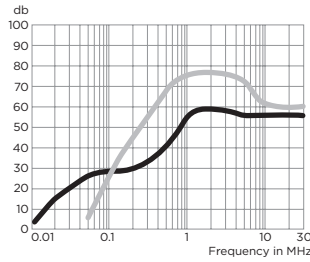
Performance Data

Typical Insertion Loss

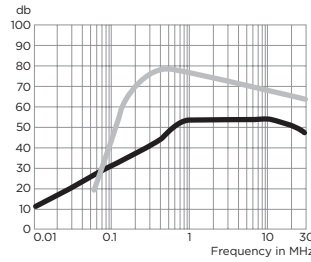
Measured in closed 50 Ohm system

1
RFI Power Line Filters

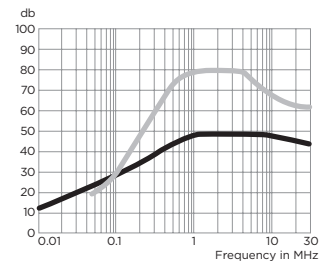
3EX



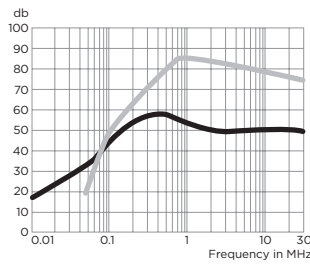
4EX



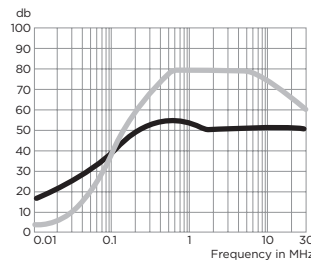
6EX



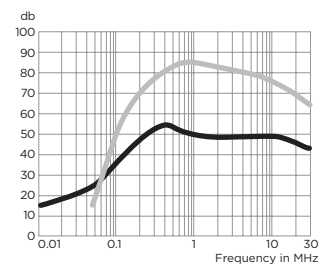
2EY



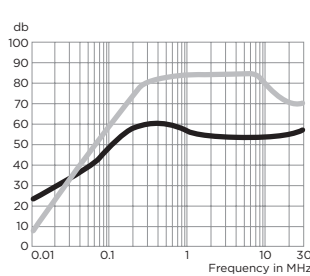
3EY



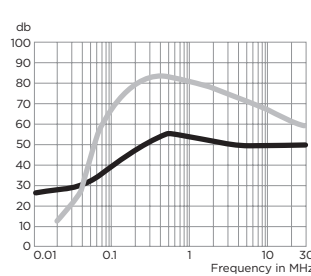
4EY



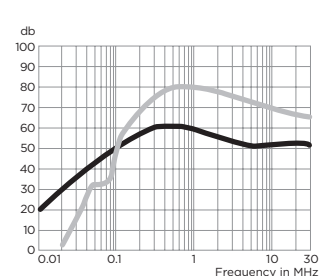
1EZ



2EZ



3EZ



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

Chassis & PC Board Mountable RFI Filters for Emission Control *(continued)*

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