Catalog: 1654001

Issue Date: 08.2010

1 to 6A



Chassis or PC Board Mountable Power Line Filters for Emission Control

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

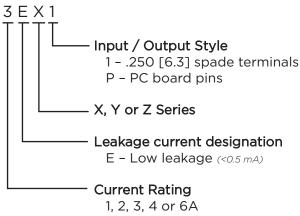
Y Series

 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



Specifications

Rated Current:

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

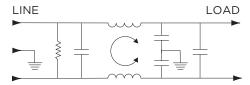
Rated Voltage (max): 250 VAC

Operating Frequency: 50/60 Hz

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	



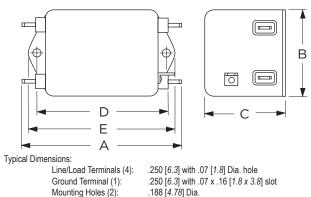
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Chassis & PC Board Mountable RFI Filters for Emission Control (continued)

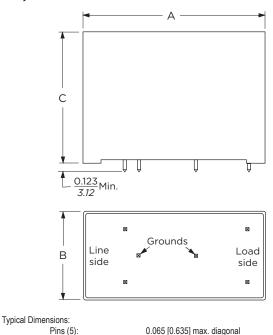
X, Y, Z Series

Case Styles

X1 & Z1



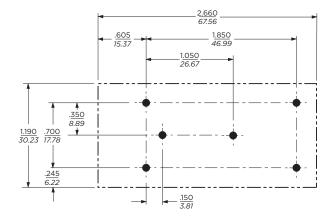
XP, YP & ZP



Case Dimensions

Part No.	Α	В	С	D + 015	E		
	(max)	(max)	(max)	± .015 ± .38	(max)		
3EXP	2.61	1.13	1.62	_	_		
JLAF	66.3	28.7	41.1				
3EX1	3.01	1.84	1.16	2.375	2.79		
<u></u>	76.7	46.8	29.46	60.33	70.87		
4EXP	2.61	1.13	1.62	_	_		
4678	66.6	28.7	41.1				
6EXP	2.61	1.13	1.75	_	_		
6EXP	66.3	28.7	44.5				
2EYP	2.61	1.13	1.62	_	_		
ZE 1P	66.3	28.7	41.1				
3EYP, 4EYP	2.61	1.13	1.75	_	_		
3ETP, 4ETP	66.3	28.7	44.5				
1EZP	2.61	1.13	1.62	_	_		
IEZP	66.3	28.7	41.1		_		
2570 7570	2.61	1.13	1.75	_	_		
2EZP, 3EZP	66.3	28.7	44.5	_	_		
3EZ1	3.54	2.08	1.31	2.938	3.35		
JEZI	89.9	52.8	33.3	74.63	85.1		

Recommended PC Board Layout



Tolerance ± .006 [.152] Holes(6): .075 [1.91] Dia.

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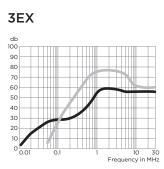
Chassis & PC Board Mountable RFI Filters for Emission Control (continued)

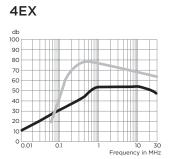
X, Y, Z Series

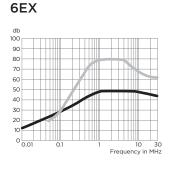
Performance Data

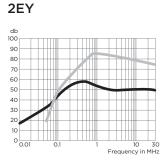
Typical Insertion Loss

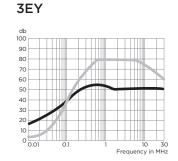
Measured in closed 50 Ohm system

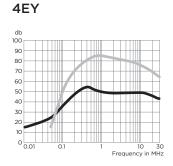


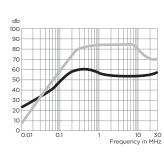




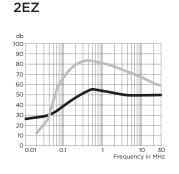


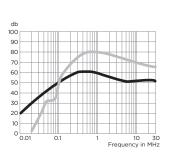






1EZ





3EZ

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



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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)

comment reacy, regimmetrical (Enterte creama)						Direction rede , cyrimetrical (Line to Line)													
Frequency – MHz						Frequency – MHz													
Part No.	.01	.05	.15	.5	1	5	10	30	Part No.	.02	.03	.05	.07	.15	.5	1	5	10	30
X Series									X Series										
3A	2	13	21	35	46	44	44	44	3A	-	-	-	5	34	60	65	60	45	50
4A	2	13	22	38	44	44	44	38	4A	-	-	-	10	37	70	70	70	65	55
6A	2	11	20	35	40	40	40	36	6A	-	-	-	3	31	65	70	70	65	55
Y Series									Y Series										
2A	8	21	31	49	44	40	40	40	2A	-	-	10	19	40	70	75	70	60	55
3A	11	24	36	43	40	40	40	40	3A	-	-	10	20	42	68	68	67	62	50
4A	5	18	28	45	40	40	40	36	4A	-	-	6	18	41	67	75	70	65	55
Z Series									Z Series										
1A	18	32	43	47	44	43	43	45	1A	7	29	34	43	62	70	70	70	60	55
2A	18	32	45	41	40	40	40	40	2A	2	15	31	40	57	75	70	65	55	50
3A	15	29	39	43	42	40	40	40	3A	-	10	26	34	53	75	75	70	60	55