



Chokes





Contents AC Power Line Chokes

PCA Part No.	OCL Range (mH)	Current Range (Arms)	Length	Width	Height
EPZ3032 Series	.047 – 2.2	.016 – .430	.840	.740	.670
EPZ3033 Series	2.7 – 1.20	.468 – 16	1.07	.860	.830
EPZ3037V Series	.82 – 33	.3 – 2.0	.827	.630	.846
EPZ3040V Series	1.5 – 82	.8 – 5.0	1.417	1.004	1.535
EPZ3041V Series	2.2 – 6.8	.6 – 3.0	1.412	.827	1.358
EPZ3042V Series	.15 – .82	.8 – 10	1.457	.945	1.634
EPZ3043H Series	1.0 – 6.8	.25 – 2.1	.787	.827	.787
EPZ3044V Series	1.8 – 33	.3 – 1.5	.827	.827	.650
EPZ3045V Series	.56 – 68	.4 – 3.4	.945	.984	.768
EPZ3046H Series	1.0 – 68	.5 – 3.4	1.122	1.142	.886
EPZ3047F Series	1.0 – 50	.3 – 2.2	.945	.906	.551
EPZ3048F Series	1.3 – 50	.4 – 2.5	1.102	.984	.591
EPZ3049M Series	.5 – 30	.1 – 1.0	.630	.413	.630
EPZ3050M Series	.5 – 30	.1 – 1.0	.630	.571	.453
EPZ3052N Series	.6 – 1.04	.2 – 3.0	.894	.591	.846
EPZ3053N Series	1.4 – 80	.4 – 32.	1.083	.709	1.043
EPZ3054N Series	1.5 – 69	.6 – 4.0	1.260	.787	1.142
EPZ3055HN Series	.8 – 142	.2 – .30	.894	.591	.846
EPZ3056HN Series	1.7 – 99	.4 – 3.2	1.083	.709	1.043
EPZ3057HN Series	1.9 – 87	.6 – 4.0	1.260	.787	1.142
EPZ3058 Series	.9 – 27	.4 – 2.0	.748	.669	.866
EPZ3059 Series	.54 – 9.0	.5 – 2.0	.748	.669	.866
EPZ3060LP Series	1.5 – 43	.3 – 3.0	.709	.630	.689
EPZ3061LP Series	.9 – 36	.3 – 2.0	.709	.630	.689
EPZ3064 Series	.019 – .666	0.8 – 4.8	1.250	1.200	.750
EPZ30651M Series	.5 – 28	.2 – 2.0	.709	.591	.787

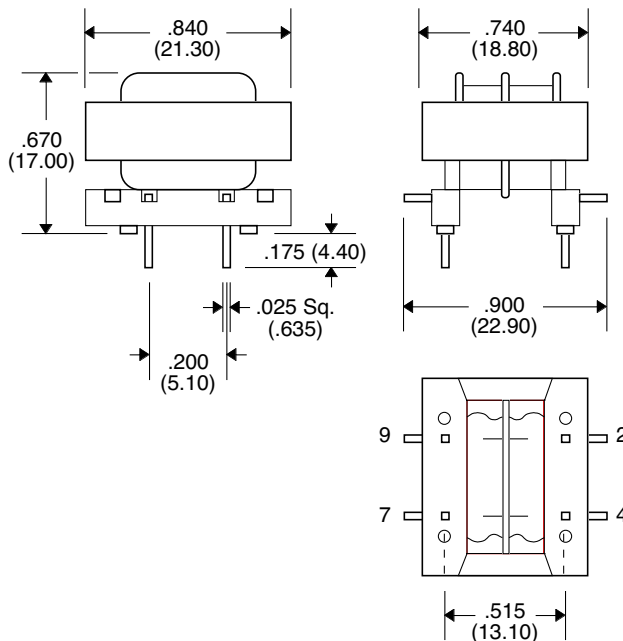
Power Choke EPZ3032-X

- Used in Power AC Line Filters, AC-AC Converters and Switching Power Supplies
- UL 94V-0 Recognized Components
- UL 1446 Class B Insulation System
- Meets or exceeds CSA/IEC/VDE/UL Specifications for Creepage, Clearance and Dielectric Strength
- 50 Hz - 500 Hz Switching Frequency
- 3750 Vrms Isolation
- In EE25 Standard Package

Electrical Parameters @ 25° C

Part Number	Inductance (mH ± 25%) @ 1 KHz	DCR (Ω Max.)	Current Rating (Amperes Max.)	Temperature Rise (°C Max.) @ Max. Current
EPZ3032-470	.047	.016	3.5	13
EPZ3032-560	.056	.018	3.5	15
EPZ3032-680	.068	.019	3.5	15
EPZ3032-820	.082	.023	2.8	12
EPZ3032-101	.100	.025	2.8	13
EPZ3032-121	.120	.028	2.8	15
EPZ3032-151	.150	.030	2.8	16
EPZ3032-181	.180	.038	2.2	12
EPZ3032-221	.220	.044	2.2	14
EPZ3032-271	.270	.049	2.2	16
EPZ3032-331	.330	.058	1.7	11
EPZ3033-471	.470	.076	1.4	10
EPZ3032-561	.560	.090	1.4	12
EPZ3032-681	.680	.114	1.1	9
EPZ3032-821	.820	.130	1.1	10
EPZ3032-102	1.00	.194	.88	10
EPZ3032-122	1.20	.218	.88	11
EPZ3032-152	1.50	.278	.70	9
EPZ3032-182	1.80	.306	.70	10
EPZ3032-222	2.20	.430	.55	9

Package



Schematic



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

Power Choke

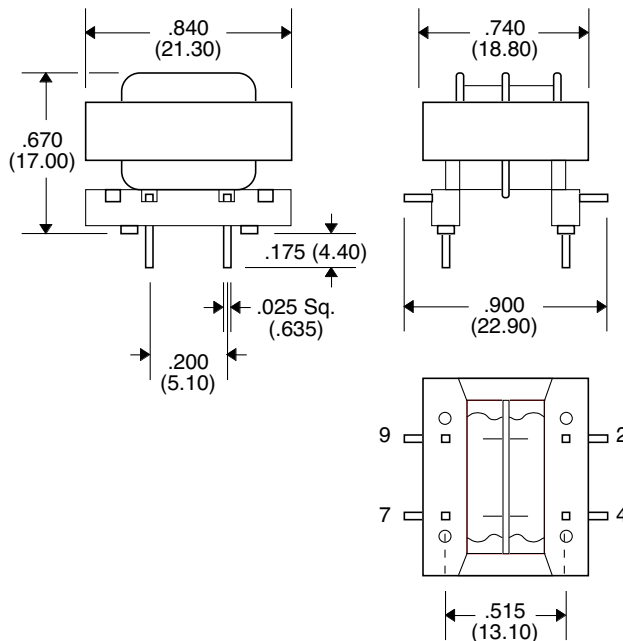
EPZ3032-X

- Used in Power AC Line Filters, AC-AC Converters and Switching Power Supplies
- UL 94V-0 Recognized Components
- UL 1446 Class B Insulation System
- Meets or exceeds CSA/IEC/VDE/UL Specifications for Creepage, Clearance and Dielectric Strength
- 50 Hz - 500 Hz Switching Frequency
- 3750 Vrms Isolation
- In EE25 Standard Package

Electrical Parameters @ 25° C

Part Number	Inductance (mH ± 25%) @ 1 KHz	DCR (Ω Max.)	Current Rating (Amperes Max.)	Temperature Rise (°C Max.) @ Max. Current
EPZ3032-272	2.7	.468	.55	10
EPZ3032-332	3.3	.530	.55	11
EPZ3032-392	3.9	.668	.44	9
EPZ3032-472	4.7	.760	.44	10
EPZ3032-562	5.6	.852	.44	11
EPZ3032-682	6.8	1.24	.35	10
EPZ3032-822	8.2	1.40	.35	11
EPZ3032-103	10	1.60	.35	13
EPZ3032-123	12	1.98	.27	10
EPZ3032-153	15	2.24	.27	11
EPZ3032-183	18	2.45	.27	12
EPZ3032-223	22	3.49	.22	11
EPZ3032-273	27	4.60	.17	9
EPZ3032-333	33	5.20	.17	10
EPZ3032-393	39	7.19	.13	8
EPZ3032-473	47	7.80	.13	9
EPZ3032-563	56	8.69	.13	10
EPZ3032-683	68	9.69	.13	11
EPZ3032-104	82	13.10	.10	9
EPZ3032-124	100	14.60	.10	10
EPZ3032-222	120	16.00	.10	11

Package



Schematic



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

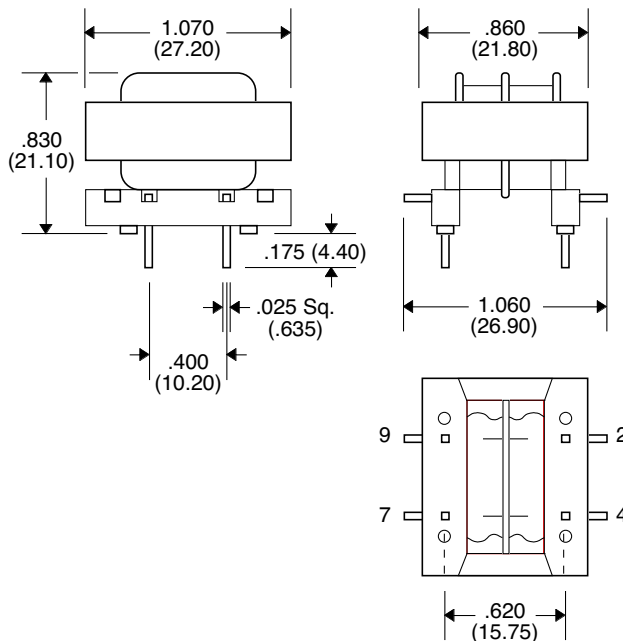
Power Choke EPZ3033-X

- Used in Power AC Line Filters, AC-AC Converters and Switching Power Supplies
- UL 94V-0 Recognized Components
- UL 1446 Class B Insulation System
- Meets or exceeds CSA/IEC/VDE/UL Specifications for Creepage, Clearance and Dielectric Strength
- 50 Hz - 500 Hz Switching Frequency
- 3750 Vrms Isolation
- In EE25 Standard Package

Electrical Parameters @ 25° C

Part Number	Inductance (mH ± 25%) @ 1 KHz	DCR (Ω Max.)	Current Rating (Amperes Max.)	Temperature Rise (°C Max.) @ Max. Current
EPZ3033-560	.056	.013	5.5	18
EPZ3033-680	.068	.013	5.5	18
EPZ3033-820	.082	.013	5.5	18
EPZ3033-101	.100	.013	5.5	18
EPZ3033-121	.120	.015	5.5	21
EPZ3033-151	.150	.015	5.5	21
EPZ3033-181	.180	.019	4.5	17
EPZ3033-221	.220	.020	4.5	18
EPZ3033-271	.270	.025	4.5	23
EPZ3033-331	.330	.025	3.5	14
EPZ3033-471	.470	.030	3.5	17
EPZ3033-561	.560	.035	3.5	19
EPZ3033-681	.680	.040	3.5	22
EPZ3033-821	.820	.060	2.8	21
EPZ3033-102	1.00	.065	2.8	23
EPZ3033-122	1.20	.095	2.2	21
EPZ3033-152	1.50	.115	1.7	15
EPZ3033-182	1.80	.125	1.7	16
EPZ3033-222	2.20	.170	1.4	15
EPZ3033-272	2.70	.180	1.4	16

Package



Schematic



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

Power Choke

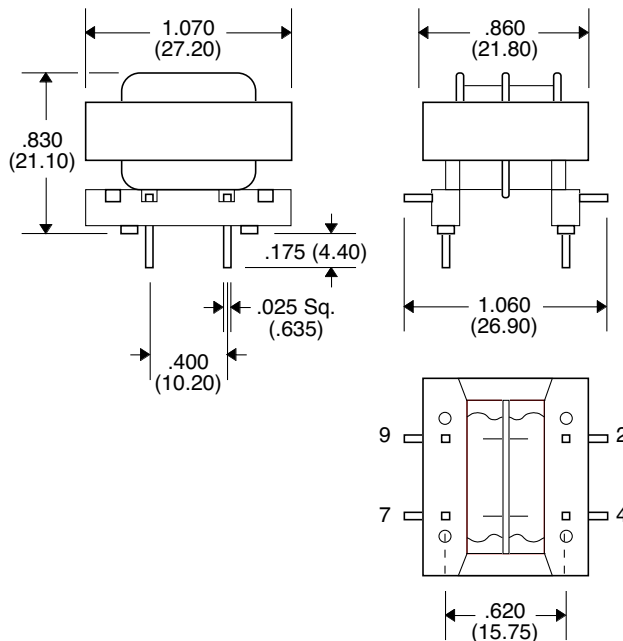
EPZ3033-X

- Used in Power AC Line Filters, AC-AC Converters and Switching Power Supplies
- UL 94V-0 Recognized Components
- UL 1446 Class B Insulation System
- Meets or exceeds CSA/IEC/VDE/UL Specifications for Creepage, Clearance and Dielectric Strength
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- 3750 Vrms Isolation
- In EE25 Standard Package

Electrical Parameters @ 25° C

Part Number	Inductance (mH ± 25%) @ 1 KHz	DCR (Ω Max.)	Current Rating (Amperes Max.)	Temperature Rise (°C Max.) @ Max. Current
EPZ3033-332	3.3	.32	1.1	18
EPZ3033-392	3.9	.40	1.1	22
EPZ3033-472	4.7	.45	.88	16
EPZ3033-562	5.6	.50	.88	18
EPZ3033-682	6.8	.60	.88	21
EPZ3033-822	8.2	.70	.88	25
EPZ3033-103	10	.80	.70	18
EPZ3033-123	12	.90	.70	20
EPZ3033-153	15	1.0	.70	22
EPZ3033-183	18	1.3	.55	18
EPZ3033-223	22	1.5	.55	21
EPZ3033-273	27	1.8	.44	16
EPZ3033-333	33	2.2	.44	19
EPZ3033-393	39	2.6	.44	23
EPZ3033-473	47	2.8	.44	25
EPZ3033-563	56	4.0	.35	22
EPZ3033-683	68	5.0	.27	16
EPZ3033-104	82	5.5	.27	18
EPZ3033-124	100	6.4	.27	21
EPZ3033-222	120	7.8	.27	17
EPZ3033-154	150	9.0	.27	20

Package



Schematic



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

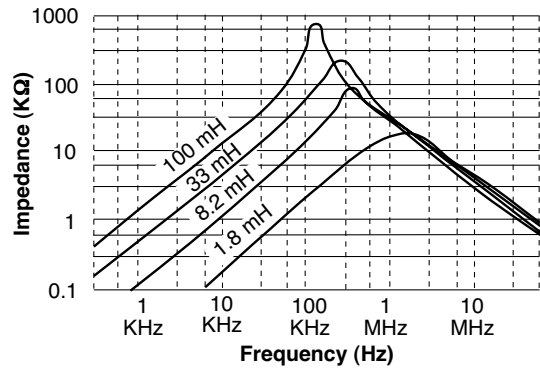
EPZ3037V-XXX

- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- UL940-V Recognized Materials
- Temperature Rise : 45°C Max.
- UL1446 Insulating System
- 2000 Vrms Isolation

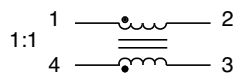
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) [Pins 1-2, 4-3]	Current Rating (A rms Max.)
EPZ3037V-821	.82	2.0
EPZ3037V-122	1.2	1.6
EPZ3037V-182	1.8	1.5
EPZ3037V-222	2.2	1.3
EPZ3037V-272	2.7	1.1
EPZ3037V-332	3.3	1.1
EPZ3037V-392	3.9	1.0
EPZ3037V-562	5.6	0.8
EPZ3037V-682	6.8	0.7
EPZ3037V-822	8.2	0.6
EPZ3037V-103	10	0.6
EPZ3037V-183	18	0.5
EPZ3037V-223	22	0.4
EPZ3037V-333	33	0.3

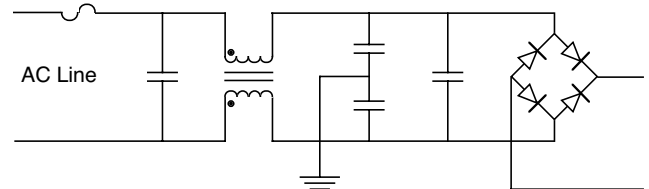
Impedance Characteristics



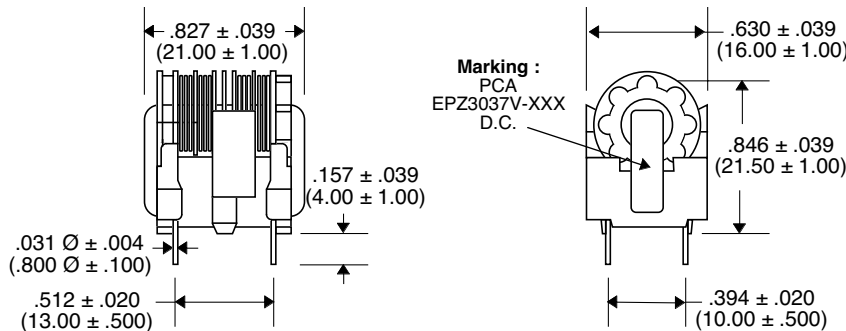
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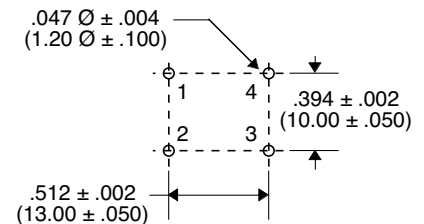
Circuit Sample



Package



Recommended PWB Piercing Plan



Unless Otherwise Specified Dimensions are in Inches /mm ±.010 /.25

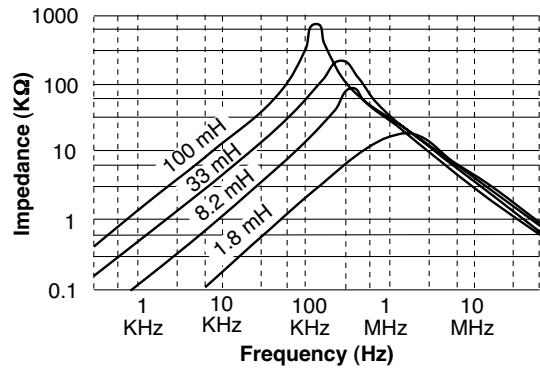
EPZ3040V-XXX

- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- UL940-V Recognized Materials
- Temperature Rise : 45°C Max.
- UL1446 Insulating System
- 2000 Vrms Isolation

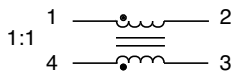
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) [Pins 1-2, 4-3]	Current Rating (A rms Max.)
EPZ3040V-152	1.5	5.0
EPZ3040V-222	2.2	4.5
EPZ3040V-332	3.3	4.2
EPZ3040V-392	3.9	3.7
EPZ3040V-472	4.7	3.5
EPZ3040V-562	5.6	3.4
EPZ3040V-822	8.2	3.0
EPZ3040V-103	10	2.5
EPZ3040V-153	15	2.0
EPZ3040V-183	18	1.9
EPZ3040V-223	22	1.8
EPZ3040V-273	27	1.5
EPZ3040V-333	33	1.4
EPZ3040V-473	47	1.2
EPZ3040V-563	56	1.1
EPZ3040V-823	82	0.8

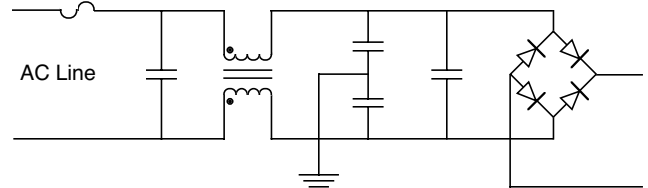
Impedance Characteristics



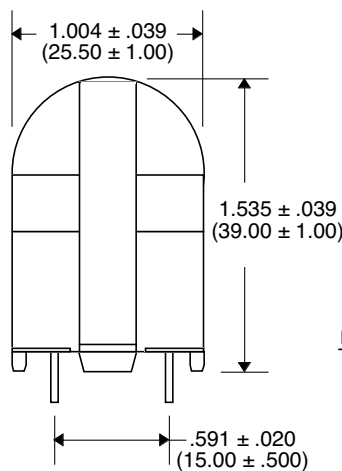
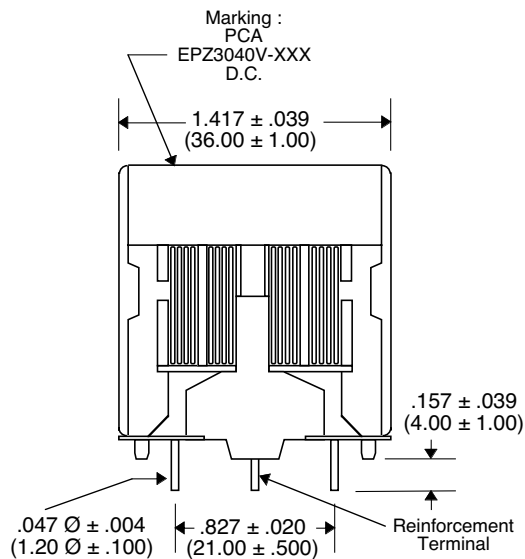
Schematic



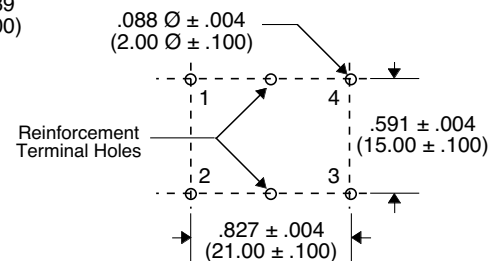
Circuit Sample



Package



Recommended PWB Piercing Plan



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

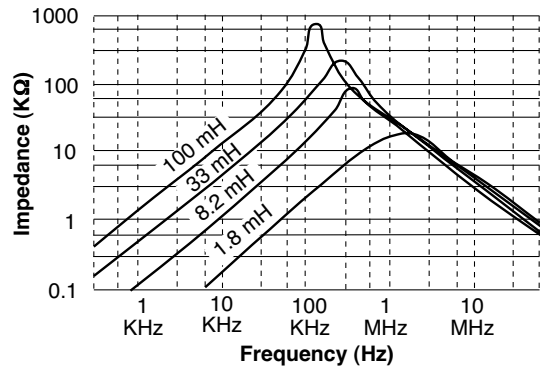
EPZ3041V-XXX

- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- UL940-V Recognized Materials
- Temperature Rise : 45°C Max.
- UL1446 Insulating System
- 2000 Vrms Isolation

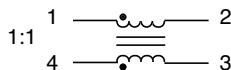
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) [Pins 1-2, 4-3]	Current Rating (A rms Max.)
EPZ3041V-222	2.2	3.0
EPZ3041V-272	2.7	2.7
EPZ3041V-452	4.5	2.5
EPZ3041V-562	5.6	2.2
EPZ3041V-682	6.8	2.0
EPZ3041V-822	8.2	1.8
EPZ3041V-123	12	1.6
EPZ3041V-153	15	1.3
EPZ3041V-183	18	1.2
EPZ3041V-273	27	1.0
EPZ3041V-333	33	0.8
EPZ3041V-563	56	0.7
EPZ3041V-683	68	0.6

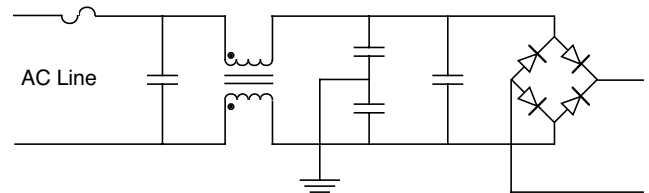
Impedance Characteristics



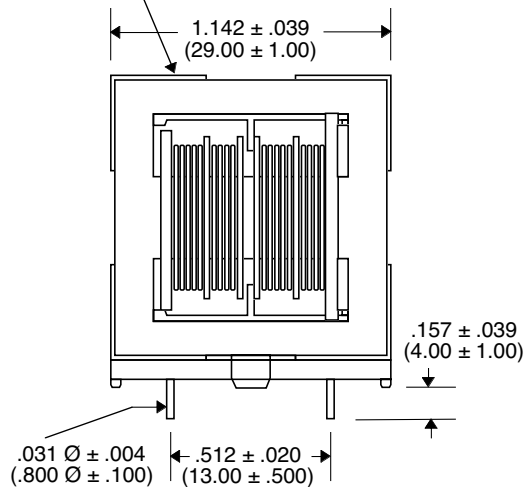
Schematic



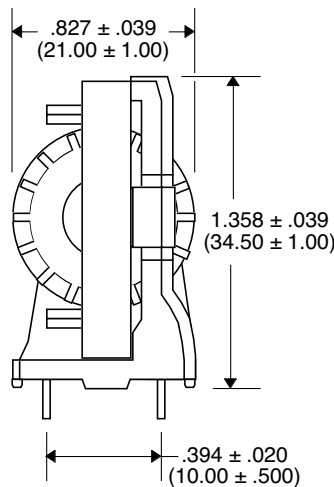
Circuit Sample



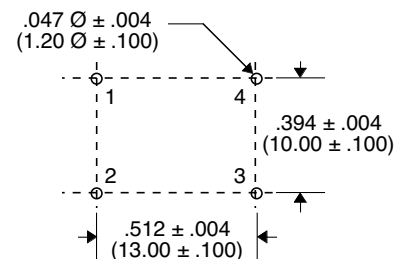
Marking :
PCA
EPZ3041V-XXX
D.C.



Package



Recommended PWB Piercing Plan



Unless Otherwise Specified Dimensions are in Inches /mm ±.010 /.25

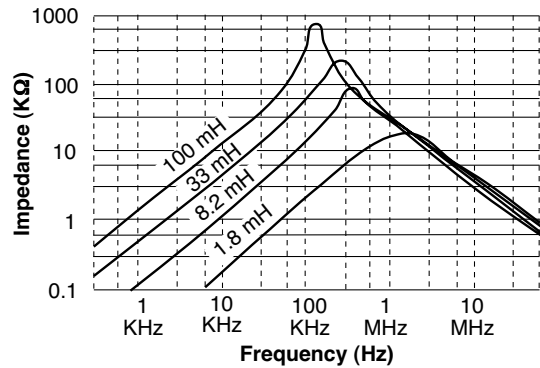
EPZ3042V-XXX

- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- UL940-V Recognized Materials
- Temperature Rise : 45°C Max.
- UL1446 Insulating System
- 2000 Vrms Isolation

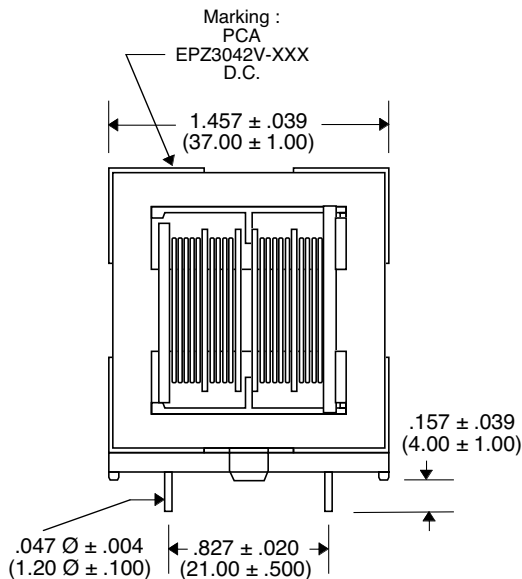
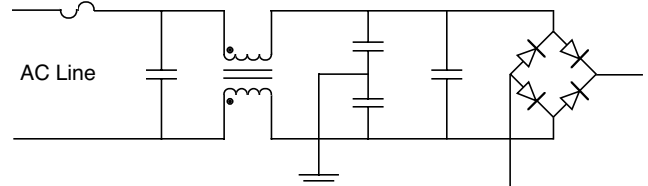
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) [Pins 1-2, 4-3]	Current Rating (A rms Max.)
EPZ3042V-151	.15	10
EPZ3042V-261	.26	9.0
EPZ3042V-401	0.4	8.0
EPZ3042V-801	0.8	7.0
EPZ3042V-152	1.5	5.0
EPZ3042V-272	2.7	4.5
EPZ3042V-332	3.3	4.2
EPZ3042V-392	3.9	3.7
EPZ3042V-472	4.7	3.5
EPZ3042V-562	5.6	3.4
EPZ3042V-822	8.2	3.0
EPZ3042V-902	9.0	2.8
EPZ3042V-103	10	2.5
EPZ3042V-153	15	2.0
EPZ3042V-183	18	1.9
EPZ3042V-223	22	1.8
EPZ3042V-273	27	1.5
EPZ3042V-333	33	1.4
EPZ3042V-473	47	1.2
EPZ3042V-563	56	1.0
EPZ3042V-823	82	0.8

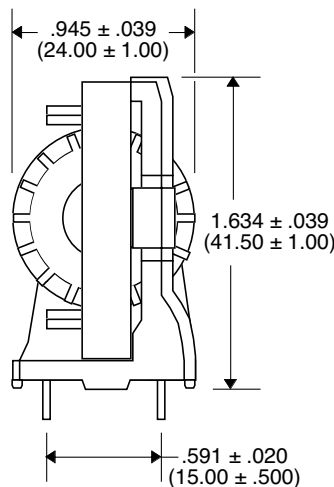
Impedance Characteristics



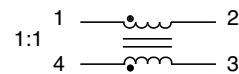
Circuit Sample



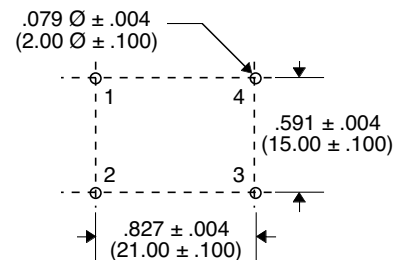
Package



Schematic



Recommended PWB Piercing Plan



Unless Otherwise Specified Dimensions are in Inches /mm ±.010 /.25

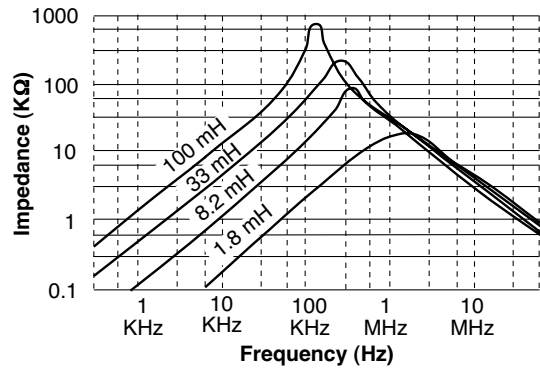
EPZ3043H-XXX

- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- UL940-V Recognized Materials
- Temperature Rise : 45°C Max.
- UL1446 Insulating System
- 2000 Vrms Isolation

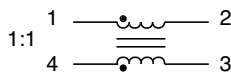
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) [Pins 1-2, 4-3]	Current Rating (A rms Max.)
EPZ3043H-102	1.0	2.1
EPZ3043H-122	1.2	2.0
EPZ3043H-152	1.5	1.6
EPZ3043H-222	2.2	1.5
EPZ3043H-272	2.7	1.3
EPZ3043H-392	3.9	1.0
EPZ3043H-472	4.7	1.0
EPZ3043H-682	6.8	0.8
EPZ3043H-822	8.2	0.7
EPZ3043H-183	18	0.5
EPZ3043H-223	22	0.4
EPZ3043H-333	33	0.4
EPZ3043H-473	47	0.3
EPZ3043H-683	68	0.25

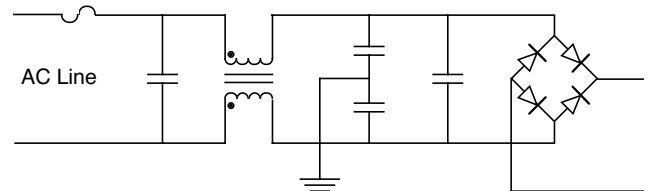
Impedance Characteristics



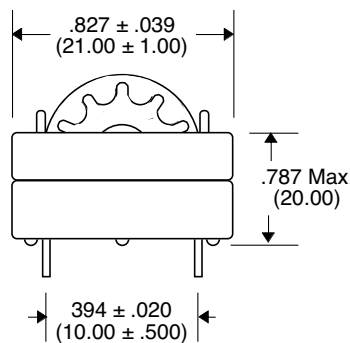
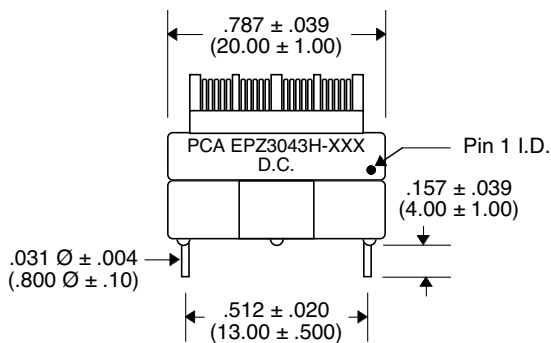
Schematic



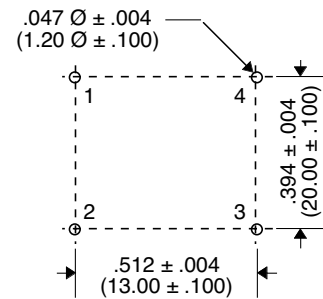
Circuit Sample



Package



Recommended PWB Piercing Plan



Unless Otherwise Specified Dimensions are in Inches /mm ±.010 /25

AC Power Line Choke

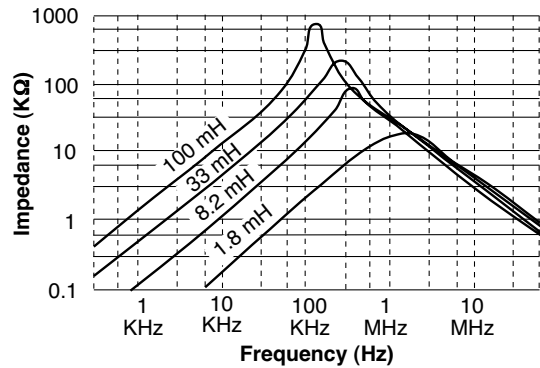
EPZ3044H-XXX

- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- UL940-V Recognized Materials
- Temperature Rise : 45°C Max.
- UL1446 Insulating System
- 2000 Vrms Isolation

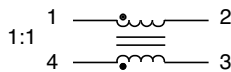
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) [Pins 1-2, 4-3]	Current Rating (A rms Max.)
EPZ3044H-182	1.8	1.5
EPZ3044H-272	2.7	1.1
EPZ3044H-562	5.6	0.8
EPZ3044H-682	6.8	0.7
EPZ3044H-103	10	0.6
EPZ3044H-183	18	0.5
EPZ3044H-223	22	0.4
EPZ3044H-333	33	0.3

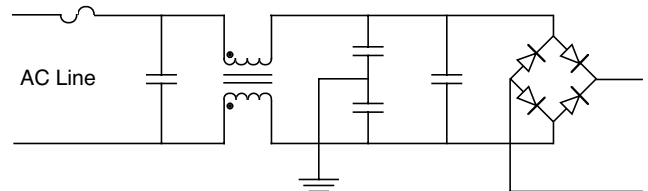
Impedance Characteristics



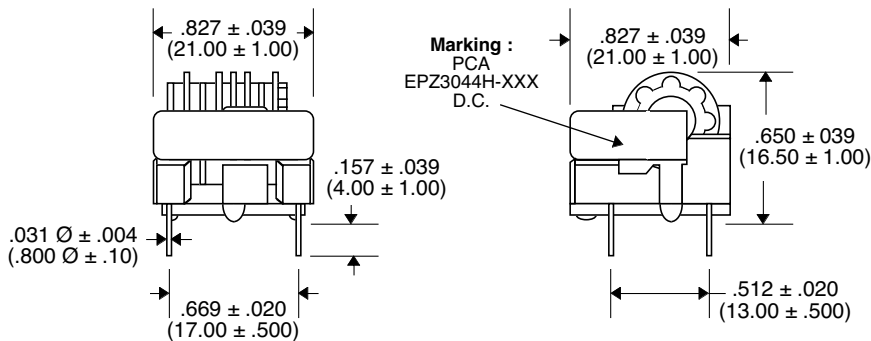
Schematic



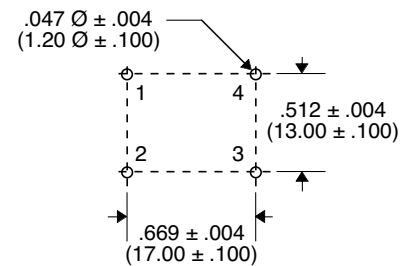
Circuit Sample



Package



Recommended PWB Piercing Plan



Unless Otherwise Specified Dimensions are in Inches /mm ±.010 /.25

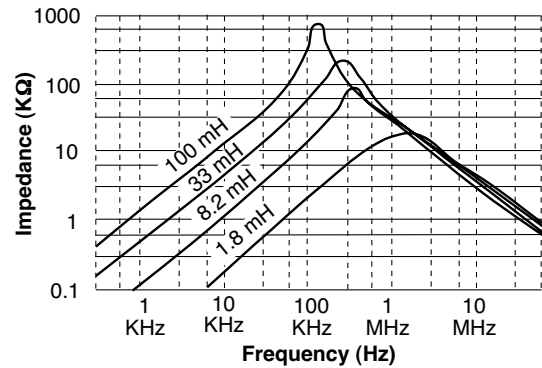
EPZ3045H-XXX

- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- UL940-V Recognized Materials
- Temperature Rise : 45°C Max.
- UL1446 Insulating System
- 2000 Vrms Isolation

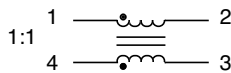
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) [Pins 1-2, 4-3]	Current Rating (A rms Max.)
EPZ3045H-561	.56	3.4
EPZ3045H-122	1.2	3.0
EPZ3045H-152	1.5	2.4
EPZ3045H-222	2.2	2.2
EPZ3045H-272	2.7	2.0
EPZ3045H-332	3.3	1.8
EPZ3045H-392	3.9	1.5
EPZ3045H-562	5.6	1.4
EPZ3045H-682	6.8	1.2
EPZ3045H-822	8.2	1.0
EPZ3045H-103	10	1.0
EPZ3045H-123	12	0.9
EPZ3045H-183	18	0.8
EPZ3045H-273	27	0.6
EPZ3045H-333	33	0.5
EPZ3045H-393	39	0.5
EPZ3045H-683	68	0.4

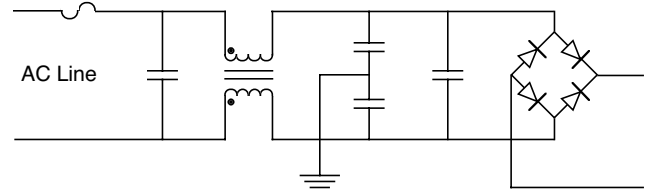
Impedance Characteristics



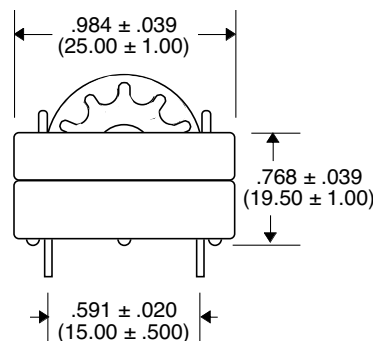
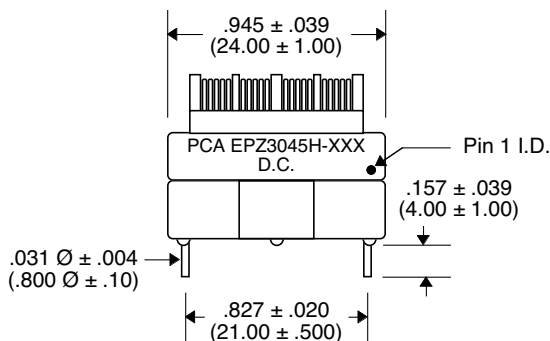
Schematic



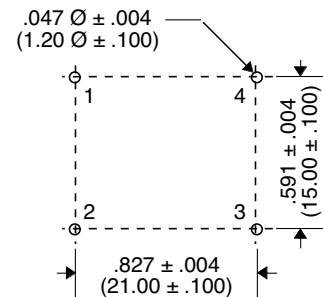
Circuit Sample



Package



Recommended PWB Piercing Plan



Unless Otherwise Specified Dimensions are in Inches /mm ±.010 /25

EPZ3046H-XXX & EPZ3046H-XXX-LF

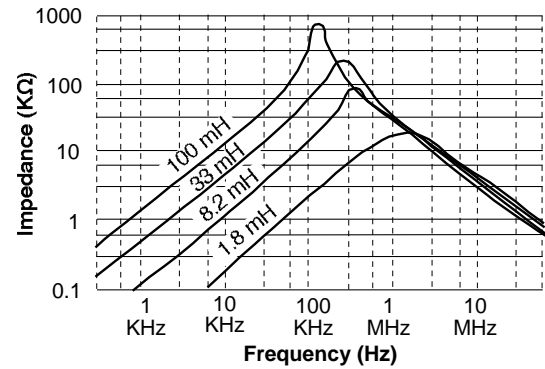


- Used as AC Power Line Filters in CTV, VTR, Audio, PC, Facsimile and Power Supply Applications
- Add "-LF" after part number for Lead-Free
- UL940-V Recognized Materials
- Temperature Rise : 45°C Max.
- UL1446 Insulating System
- 2000 Vrms Isolation

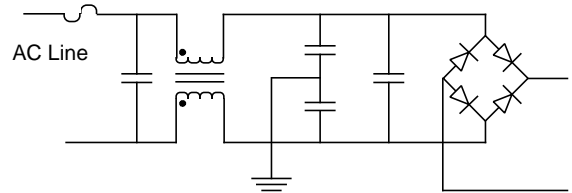
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) [Pins 1-2, 4-3]	Current Rating (A rms Max.)
EPZ3046H-102	1.0	3.4
EPZ3046H-152	1.5	3.1
EPZ3046H-182	1.8	2.8
EPZ3046H-222	2.2	2.8
EPZ3046H-272	2.7	2.6
EPZ3046H-332	3.3	2.5
EPZ3046H-392	3.9	2.2
EPZ3046H-472	4.7	2.0
EPZ3046H-472A	4.7	2.5
EPZ3046H-562	5.6	1.8
EPZ3046H-562A	5.6	2.1
EPZ3046H-822	8.2	1.7
EPZ3046H-103	10	1.6
EPZ3046H-123	12	1.6
EPZ3046H-183	18	1.2
EPZ3046H-223	22	1.0
EPZ3046H-273	27	0.8
EPZ3046H-333	33	0.8
EPZ3046H-393	39	0.7
EPZ3046H-683	68	0.5

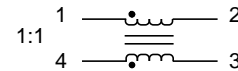
Impedance Characteristics



Circuit Sample

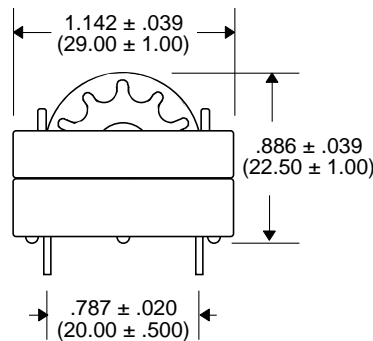
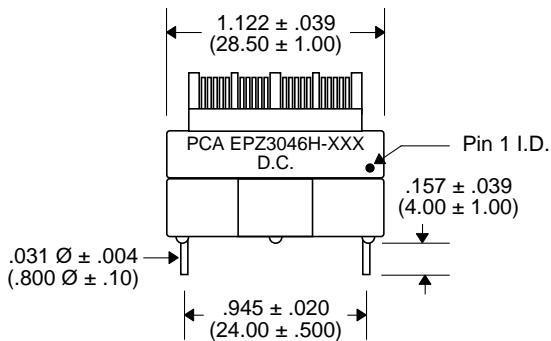


Schematic

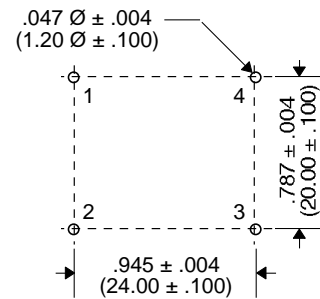


Notes :	EPZ3046H-XXX	EPZ3046H-XXX-LF
1. Assembly Process (Assembly Solder) (Solder Composition)	SnPb	SnAg
2. Peak Solder Rating (per JESD22-B106-B)	260°C 10 (+2/-0) seconds	260°C 10 (+2/-0) seconds
3. Weight	TBD grams	TBD grams
4. Packaging Information (Tray)	TBD pieces/tray	TBD pieces/tray

Package



Recommended PWB Piercing Plan



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

AC Power Line Choke

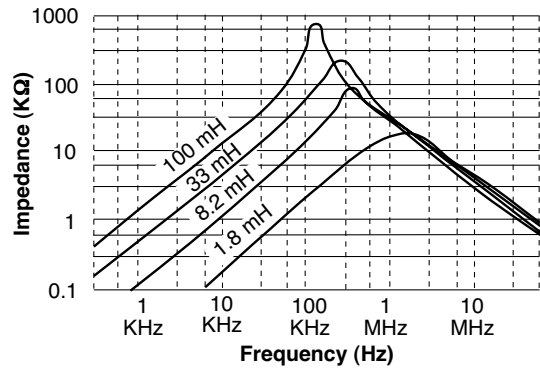
EPZ3047F-XXX

- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- UL940-V Recognized Materials
- Temperature Rise : 45°C Max.
- UL1446 Insulating System
- 2000 Vrms Isolation

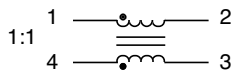
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) [Pins 1-2, 4-3]	Current Rating (A rms Max.)
EPZ3047F-102	1.0	2.2
EPZ3047F-122	1.2	2.0
EPZ3047F-152	1.5	1.8
EPZ3047F-202	2.0	1.6
EPZ3047F-252	2.5	1.4
EPZ3047F-352	3.5	1.2
EPZ3047F-502	5.0	1.0
EPZ3047F-602	6.0	0.9
EPZ3047F-802	8.0	0.8
EPZ3047F-103	10	0.7
EPZ3047F-143	14	0.6
EPZ3047F-203	20	0.5
EPZ3047F-303	30	0.4
EPZ3047F-503	50	0.3

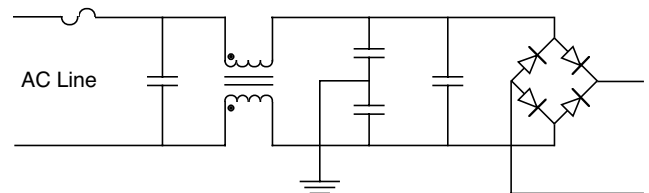
Impedance Characteristics



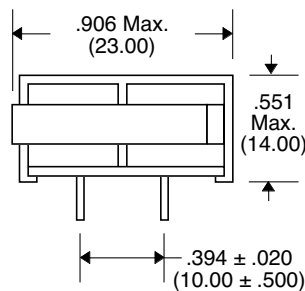
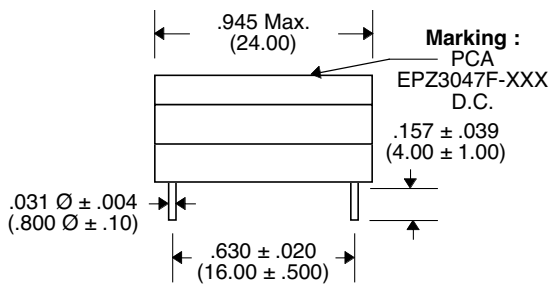
Schematic



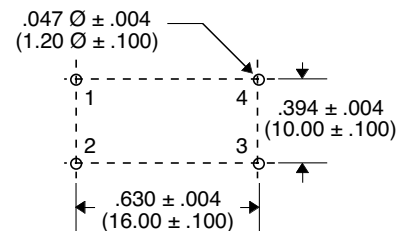
Circuit Sample



Package



Recommended PWB Piercing Plan



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

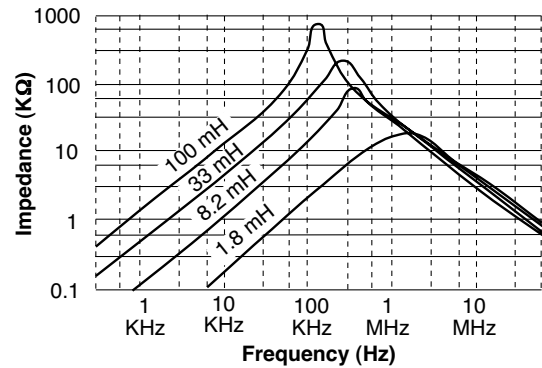
EPZ3048F-XXX

- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- UL940-V Recognized Materials
- Temperature Rise : 45°C Max.
- UL1446 Insulating System
- 2000 Vrms Isolation

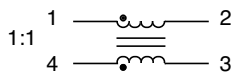
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) [Pins 1-2, 4-3]	Current Rating (A rms Max.)
EPZ3048F-132	1.3	2.5
EPZ3048F-162	1.6	2.2
EPZ3048F-202	2.0	2.0
EPZ3048F-252	2.5	1.8
EPZ3048F-302	3.0	1.6
EPZ3048F-302A	3.0	1.8
EPZ3048F-402	4.0	1.4
EPZ3048F-402A	4.0	1.6
EPZ3048F-502	5.0	1.4
EPZ3048F-552	5.5	1.2
EPZ3048F-702	7.0	1.2
EPZ3048F-802	8.0	1.0
EPZ3048F-103	10	0.9
EPZ3048F-103A	10	1.0
EPZ3048F-123	12	0.8
EPZ3048F-123A	12	0.9
EPZ3048F-153	15	0.8
EPZ3048F-163	16	0.7
EPZ3048F-203	20	0.6
EPZ3048F-203A	20	0.7
EPZ3048F-283	28	0.6
EPZ3048F-303	30	0.5
EPZ3048F-503	50	0.4

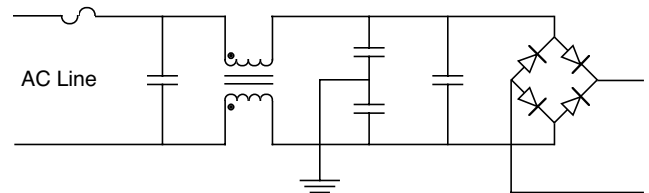
Impedance Characteristics



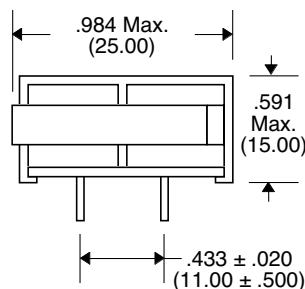
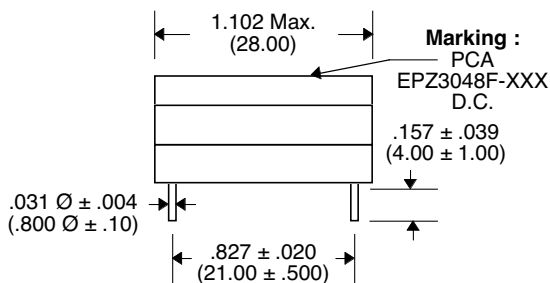
Schematic



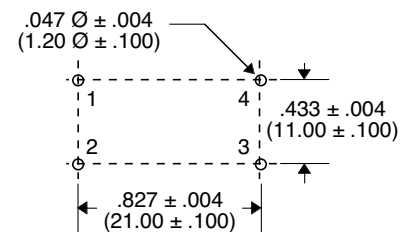
Circuit Sample



Package



Recommended PWB Piercing Plan



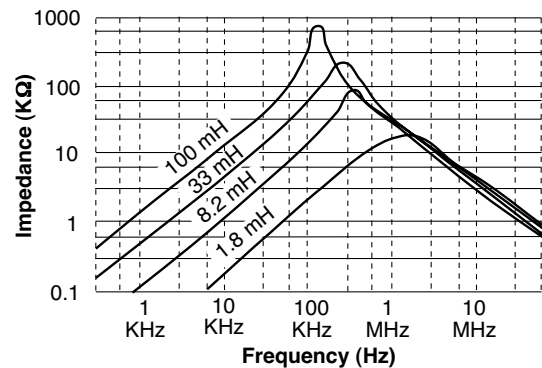
Unless Otherwise Specified Dimensions are in Inches /mm \pm .010 / .25

- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- UL940-V Recognized Materials
- Temperature Rise : 45°C Max.
- UL1446 Insulating System
- 2000 Vrms Isolation

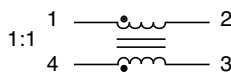
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) [Pins 1-2, 4-3]	Current Rating (A rms Max.)
EPZ3049M-501	0.5	1.0
EPZ3049M-701	0.7	0.9
EPZ3049M-801	0.8	0.8
EPZ3049M-102	1.0	0.7
EPZ3049M-152	1.5	0.6
EPZ3049M-252	2.5	0.5
EPZ3049M-352	3.5	0.4
EPZ3049M-602	6.0	0.3
EPZ3049M-123	12	0.2
EPZ3049M-303	30	0.1

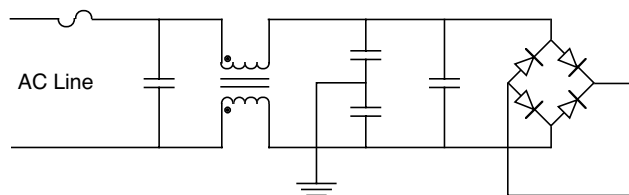
Impedance Characteristics



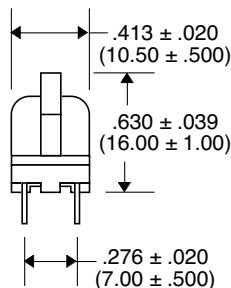
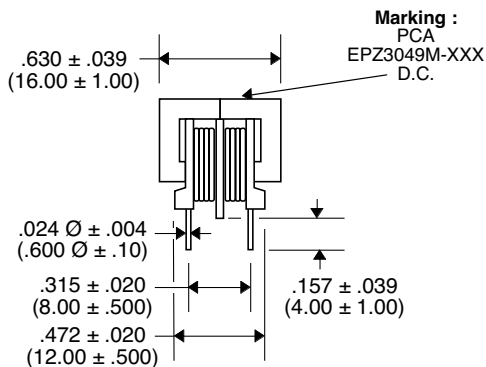
Schematic



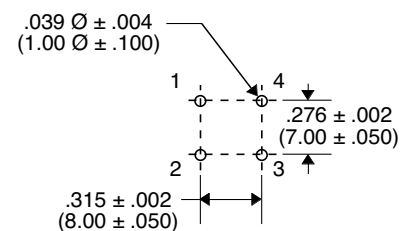
Circuit Sample



Package



Recommended PWB Piercing Plan



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

AC Power Line Choke

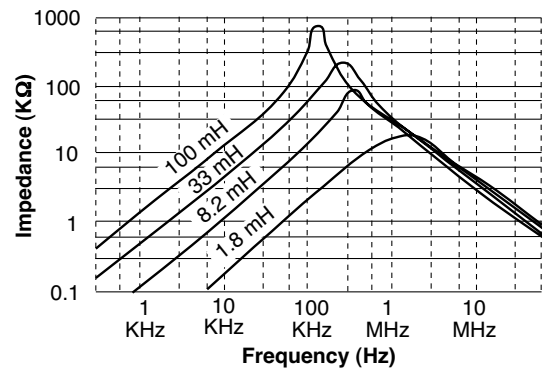
EPZ3050M-XXX

- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- UL940-V Recognized Materials
- Temperature Rise : 45°C Max.
- UL1446 Insulating System
- 2000 Vrms Isolation

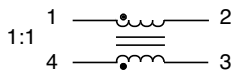
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) [Pins 1-2, 4-3]	Current Rating (A rms Max.)
EPZ3050M-501	0.5	1.0
EPZ3050M-701	0.7	0.9
EPZ3050M-801	0.8	0.8
EPZ3050M-102	1.0	0.7
EPZ3050M-152	1.5	0.6
EPZ3050M-252	2.5	0.5
EPZ3050M-352	3.5	0.4
EPZ3050M-602	6.0	0.3
EPZ3050M-123	12	0.2
EPZ3050M-303	30	0.1

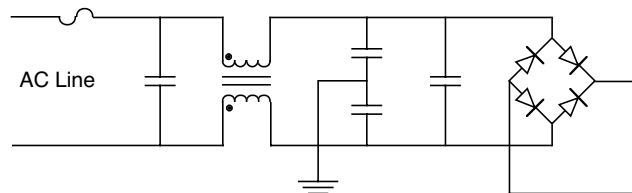
Impedance Characteristics



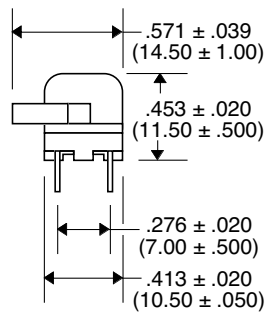
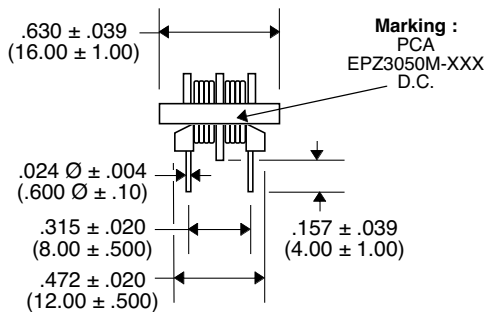
Schematic



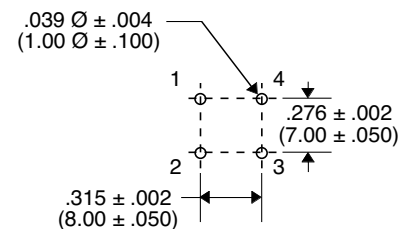
Circuit Sample



Package



Recommended PWB Piercing Plan



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

AC Power Line Choke

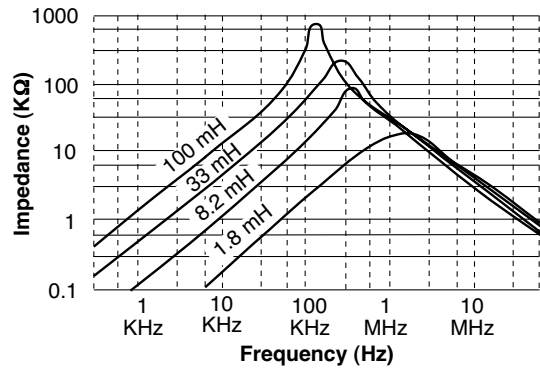
EPZ3051M-XXX

- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- UL940-V Recognized Materials
- Temperature Rise : 45°C Max.
- UL1446 Insulating System
- 2000 Vrms Isolation

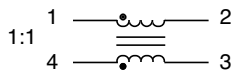
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) [Pins 1-2, 4-3]	Current Rating (A rms Max.)
EPZ3051M-501	0.5	2.0
EPZ3051M-601	0.6	1.7
EPZ3051M-801	0.8	1.5
EPZ3051M-102	1.0	1.3
EPZ3051M-202	2.0	1.0
EPZ3051M-352	3.5	0.8
EPZ3051M-502	5.0	0.7
EPZ3051M-702	7.0	0.6
EPZ3051M-802	8.0	0.5
EPZ3051M-153	15	0.4
EPZ3051M-203	20	0.3
EPZ3051M-283	28	0.2

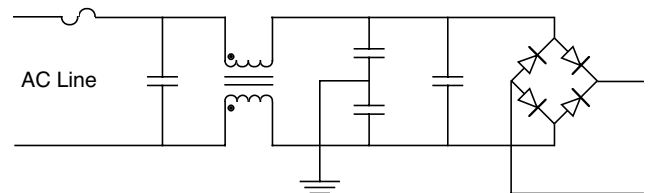
Impedance Characteristics



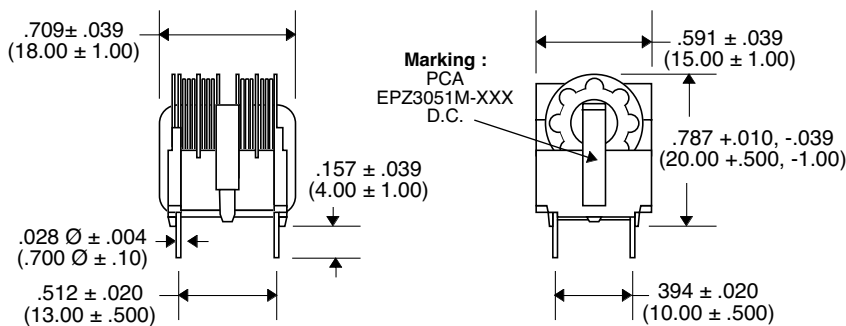
Schematic



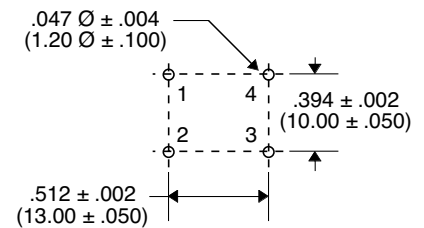
Circuit Sample



Package



Recommended PWB Piercing Plan



Unless Otherwise Specified Dimensions are in Inches /mm ±.010 /.25

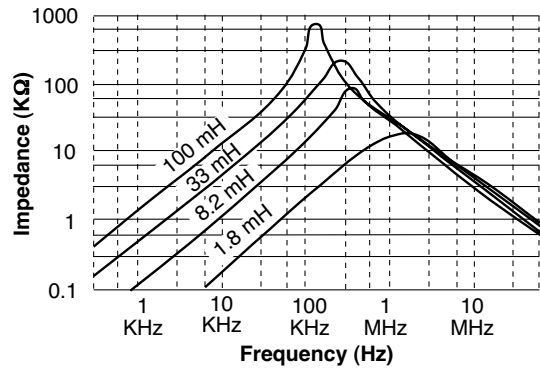
EPZ3052N-XXX

- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- UL940-V Recognized Materials
- Temperature Rise : 45°C Max.
- UL1446 Insulating System
- 2000 Vrms Isolation

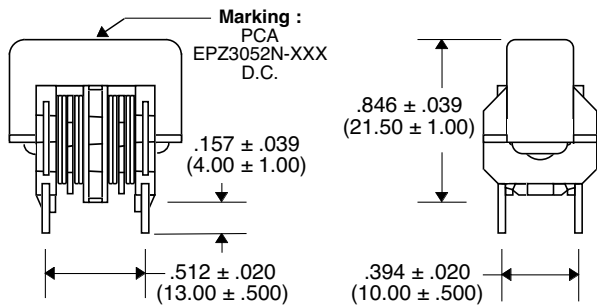
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) [Pins 1-2, 4-3]	Current Rating (A rms Max.)
EPZ3052N-601	0.6	3.0
EPZ3052N-102	1.0	2.2
EPZ3052N-172	1.7	1.7
EPZ3052N-212	2.1	1.5
EPZ3052N-272	2.7	1.3
EPZ3052N-402	4.0	1.1
EPZ3052N-532	5.3	1.0
EPZ3052N-682	6.8	0.8
EPZ3052N-103	10	0.7
EPZ3052N-123	12	0.6
EPZ3052N-193	19	0.5
EPZ3052N-263	26	0.4
EPZ3052N-433	43	0.3
EPZ3052N-104	104	0.2

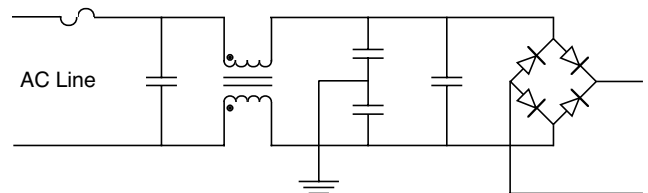
Impedance Characteristics



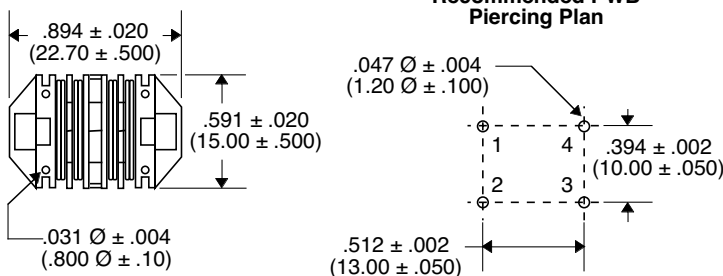
Package



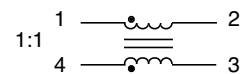
Circuit Sample



Recommended PWB Piercing Plan



Schematic



Unless Otherwise Specified Dimensions are in Inches /mm ±.010 / .25

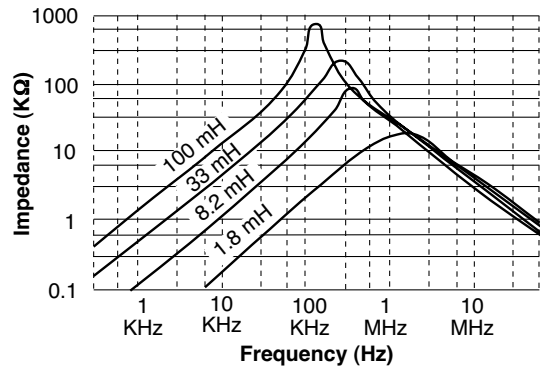
EPZ3053N-XXX

- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- UL940-V Recognized Materials
- Temperature Rise : 45°C Max.
- UL1446 Insulating System
- 2000 Vrms Isolation

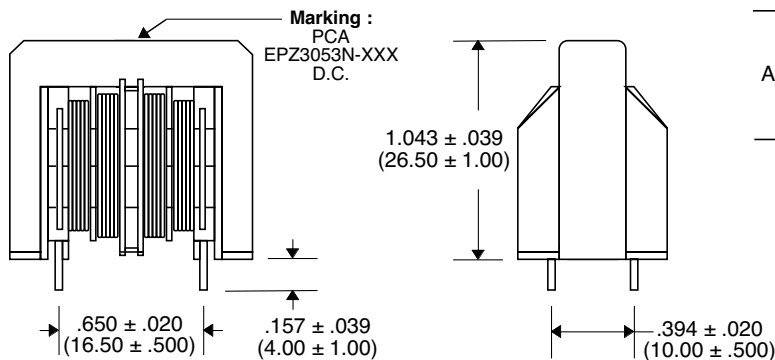
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) [Pins 1-2, 4-3]	Current Rating (A rms Max.)
EPZ3053N-142	1.4	3.2
EPZ3053N-242	2.4	2.5
EPZ3053N-422	4.2	2.0
EPZ3053N-602	6.0	1.6
EPZ3053N-952	9.5	1.2
EPZ3053N-153	15	1.0
EPZ3053N-203	20	0.8
EPZ3053N-353	35	0.6
EPZ3053N-503	50	0.5
EPZ3053N-803	80	0.4

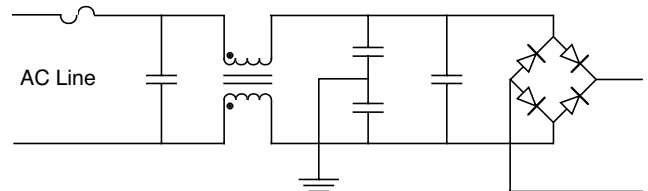
Impedance Characteristics



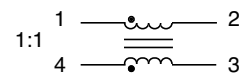
Package



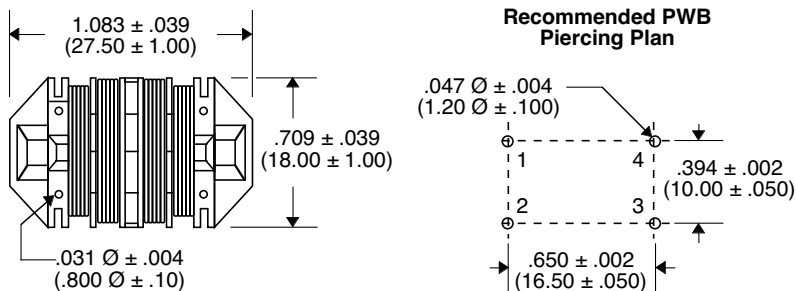
Circuit Sample



Schematic



Recommended PWB Piercing Plan



Unless Otherwise Specified Dimensions are in Inches /mm ±.010 / .25

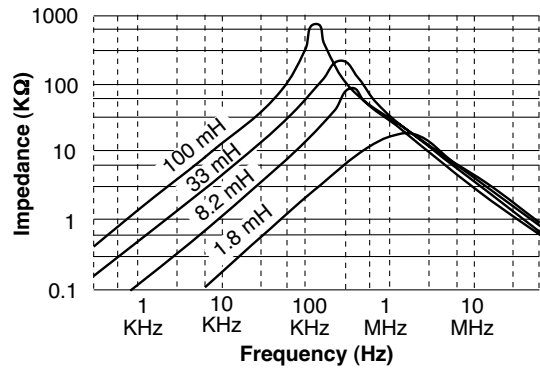
EPZ3054N-XXX

- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- UL940-V Recognized Materials
- Temperature Rise : 45°C Max.
- UL1446 Insulating System
- 2000 Vrms Isolation

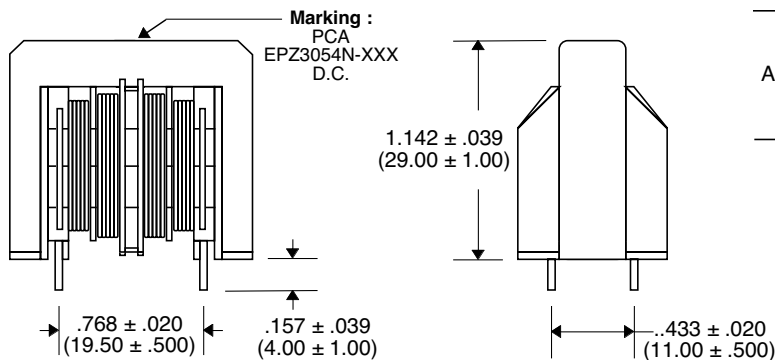
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) [Pins 1-2, 4-3]	Current Rating (A rms Max.)
EPZ3054N-152	1.5	4.0
EPZ3054N-202	2.0	3.5
EPZ3054N-292	2.9	3.0
EPZ3054N-472	4.7	2.7
EPZ3054N-492	4.9	2.4
EPZ3054N-622	6.2	2.2
EPZ3054N-702	7.0	2.0
EPZ3054N-752	7.5	1.8
EPZ3054N-123	12	1.6
EPZ3054N-143	14	1.5
EPZ3054N-183	18	1.3
EPZ3054N-283	28	1.0
EPZ3054N-433	43	0.8
EPZ3054N-693	69	0.6

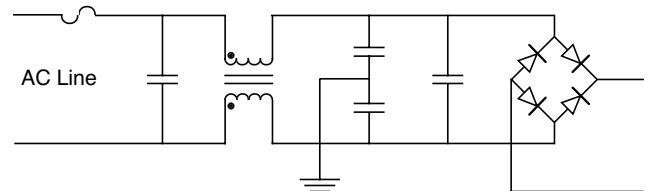
Impedance Characteristics



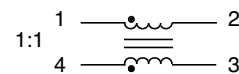
Package



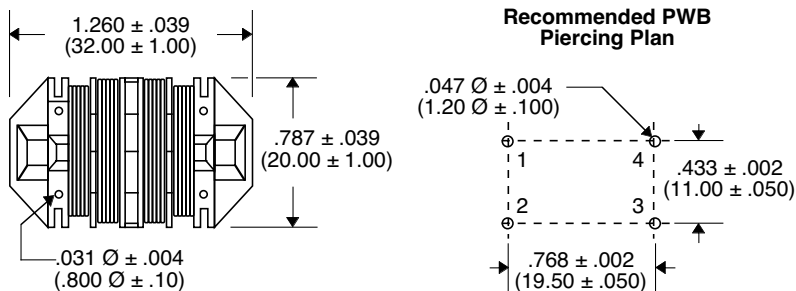
Circuit Sample



Schematic



Recommended PWB Piercing Plan



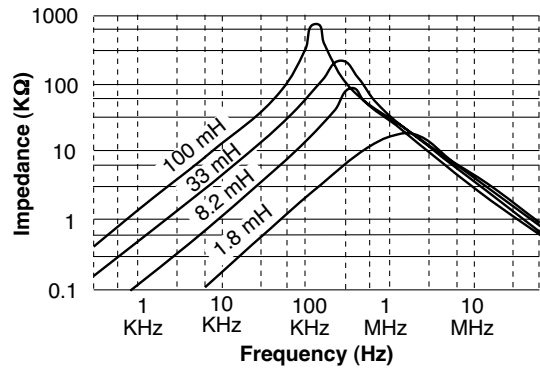
Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- UL940-V Recognized Materials
- Temperature Rise : 45°C Max.
- UL1446 Insulating System
- 2000 Vrms Isolation

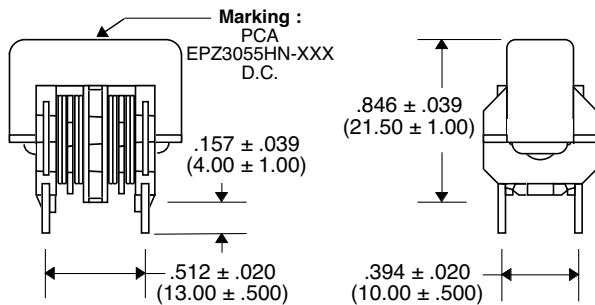
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) [Pins 1-2, 4-3]	Current Rating (A rms Max.)
EPZ3055HN-801	0.8	3.0
EPZ3055HN-132	1.3	2.2
EPZ3055HN-232	2.3	1.7
EPZ3055HN-292	2.9	1.5
EPZ3055HN-372	3.7	1.3
EPZ3055HN-542	5.4	1.1
EPZ3055HN-722	7.2	1.0
EPZ3055HN-922	9.2	0.8
EPZ3055HN-143	14	0.7
EPZ3055HN-163	16	0.6
EPZ3055HN-263	26	0.5
EPZ3055HN-353	35	0.4
EPZ3055HN-603	60	0.3
EPZ3055HN-143	142	0.2

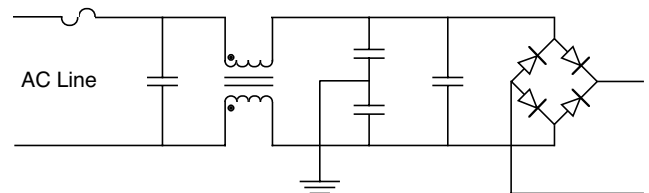
Impedance Characteristics



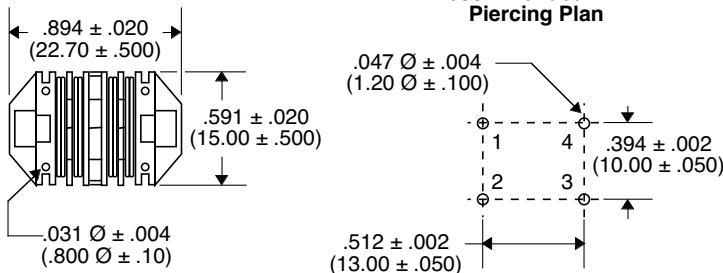
Package



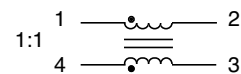
Circuit Sample



Recommended PWB Piercing Plan



Schematic



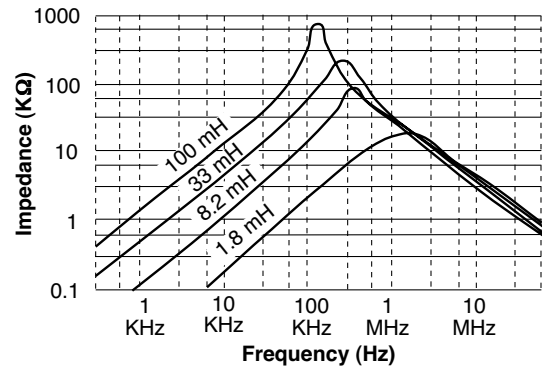
Unless Otherwise Specified Dimensions are in Inches /mm ±.010 /25

- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- UL940-V Recognized Materials
- Temperature Rise : 45°C Max.
- UL1446 Insulating System
- High Inductance Series
- 2000 Vrms Isolation

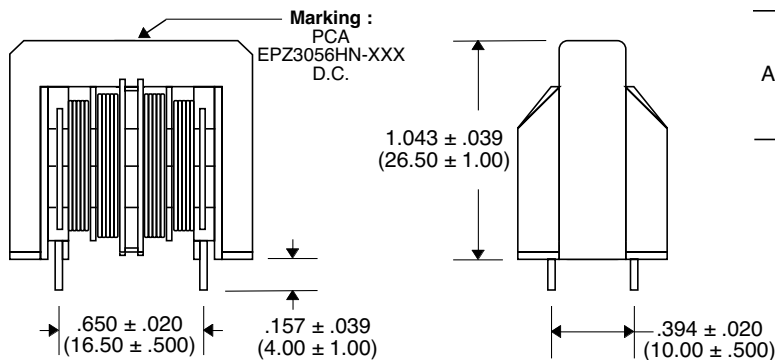
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) [Pins 1-2, 4-3]	Current Rating (A rms Max.)
EPZ3056HN-172	1.7	3.2
EPZ3056HN-302	3.0	2.5
EPZ3056HN-512	5.1	2.0
EPZ3056HN-742	7.4	1.6
EPZ3056HN-123	12	1.2
EPZ3056HN-193	19	1.0
EPZ3056HN-253	25	0.8
EPZ3056HN-443	43	0.6
EPZ3056HN-623	62	0.5
EPZ3056HN-993	99	0.4

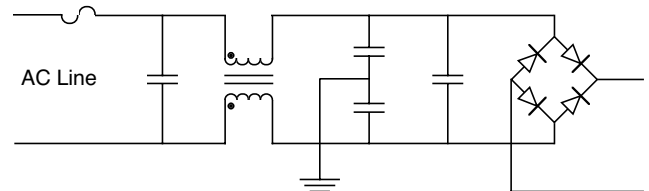
Impedance Characteristics



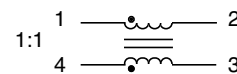
Package



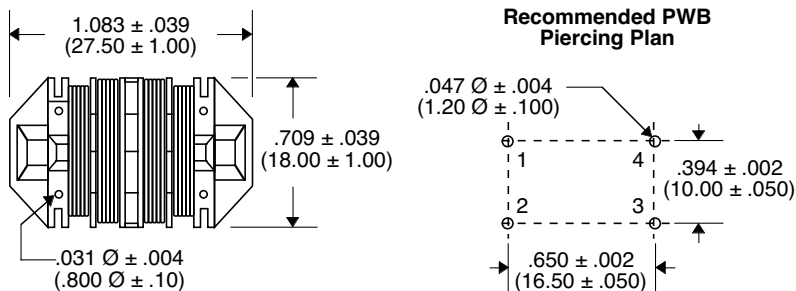
Circuit Sample



Schematic



Recommended PWB Piercing Plan



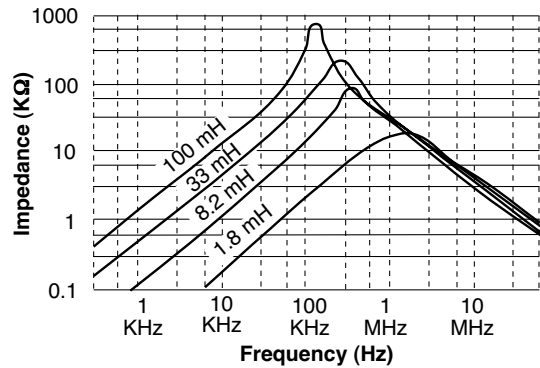
Unless Otherwise Specified Dimensions are in Inches /mm ±.010 / .25

- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- UL940-V Recognized Materials
- Temperature Rise : 45°C Max.
- UL1446 Insulating System
- High Inductance Series
- 2000 Vrms Isolation

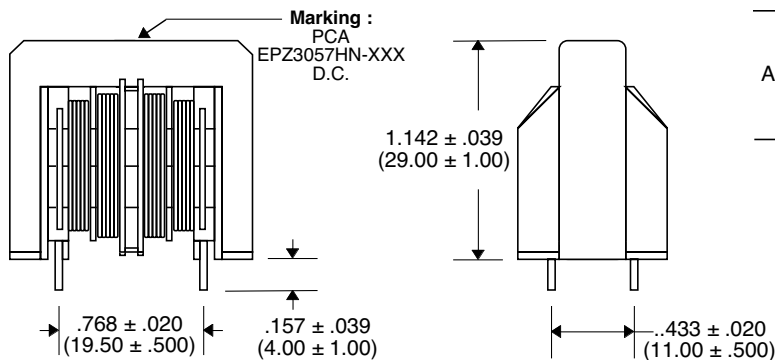
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) [Pins 1-2, 4-3]	Current Rating (A rms Max.)
EPZ3057HN-192	1.9	4.0
EPZ3057HN-252	2.5	3.5
EPZ3057HN-372	3.7	3.0
EPZ3057HN-582	5.8	2.7
EPZ3057HN-612	6.1	2.4
EPZ3057HN-782	7.8	2.2
EPZ3057HN-872	8.7	2.0
EPZ3057HN-942	9.4	1.8
EPZ3057HN-153	15	1.6
EPZ3057HN-183	18	1.5
EPZ3057HN-223	22	1.3
EPZ3057HN-363	36	1.0
EPZ3057HN-543	54	0.8
EPZ3057HN-873	87	0.6

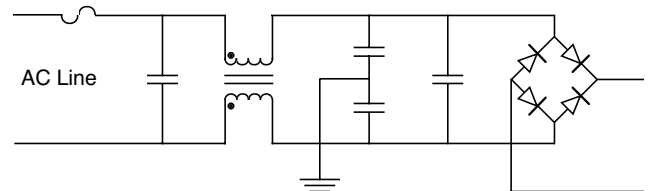
Impedance Characteristics



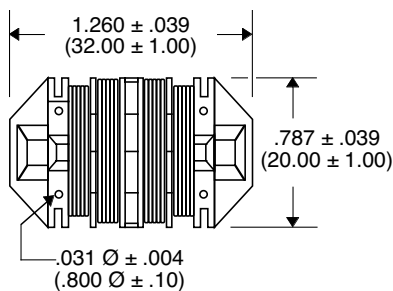
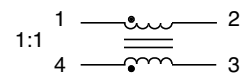
Package



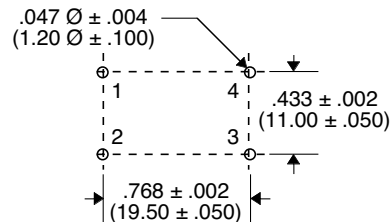
Circuit Sample



Schematic



Recommended PWB Piercing Plan



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

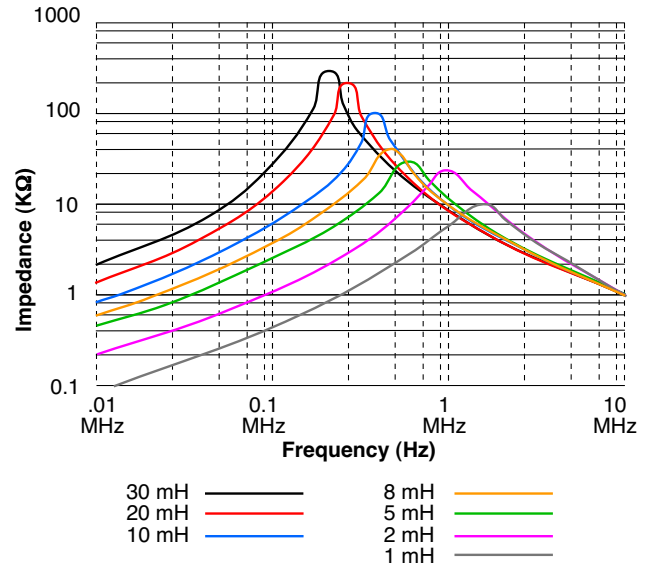
AC Power Line Choke EPZ3058-XXX

- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- Applicable Frequency : 0.1 MHz to 10 MHz
- Low Profile In Vertical Core Layout
- UL940-V Recognized Materials
- Temperature Rise : 45°C Max.
- UL1446 Insulating System
- 2000 Vrms Isolation
- 2-Section Bobbin

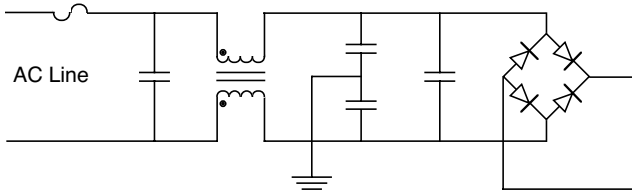
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) [Pins 1-2, 4-3]	Current Rating (A rms Max.)
EPZ3058-901	0.9	2.0
EPZ3058-182	1.8	1.6
EPZ3058-452	4.5	1.0
EPZ3058-722	7.2	0.8
EPZ3058-902	9.0	0.7
EPZ3058-183	18	0.5
EPZ3058-273	27	0.4

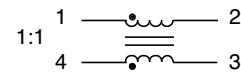
Impedance Characteristics



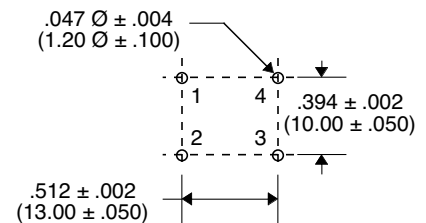
Circuit Sample



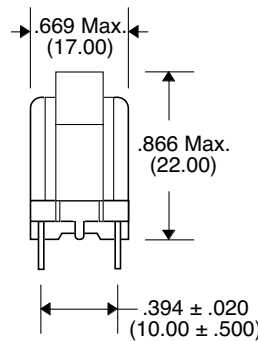
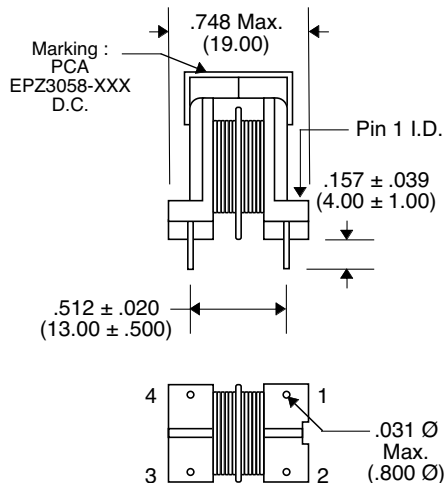
Schematic



Recommended PWB Piercing Plan



Package



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

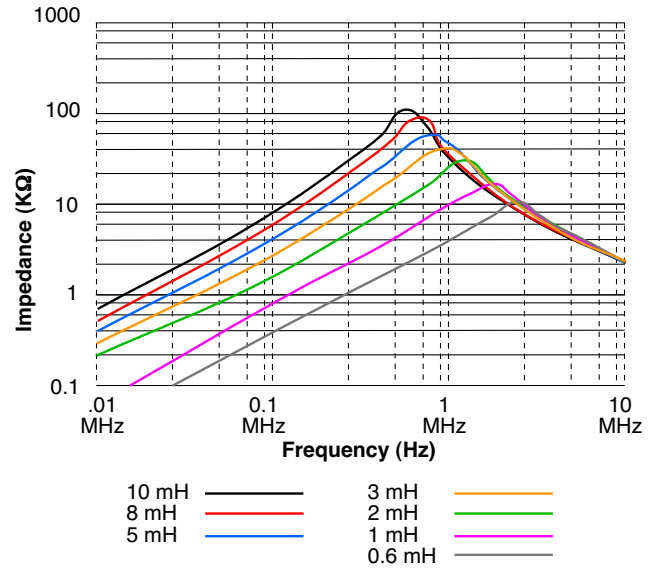
AC Power Line Choke EPZ3059-XXX

- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- Applicable Frequency : 0.2 MHz to 30 MHz
- Low Profile In Vertical Core Layout
- UL940-V Recognized Materials
- Temperature Rise : 45°C Max.
- UL1446 Insulating System
- 2000 Vrms Isolation
- 4-Section Bobbin

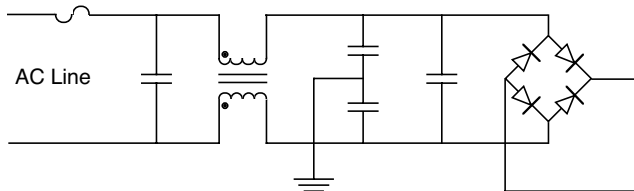
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) [Pins 1-2, 4-3]	Current Rating (A rms Max.)
EPZ3059-541	.54	2.0
EPZ3059-901	0.9	1.5
EPZ3059-182	1.8	1.2
EPZ3059-272	2.7	0.9
EPZ3059-452	4.5	0.7
EPZ3059-722	7.2	0.6
EPZ3059-922	9.0	0.5

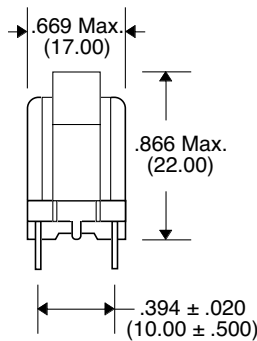
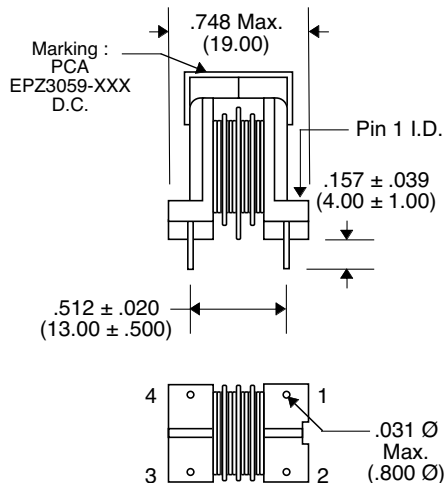
Impedance Characteristics



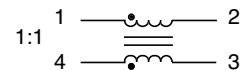
Circuit Sample



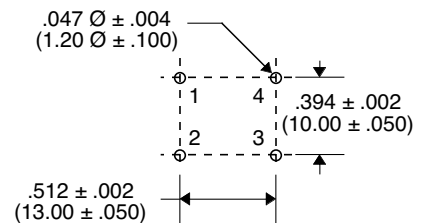
Package



Schematic



Recommended PWB Piercing Plan



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

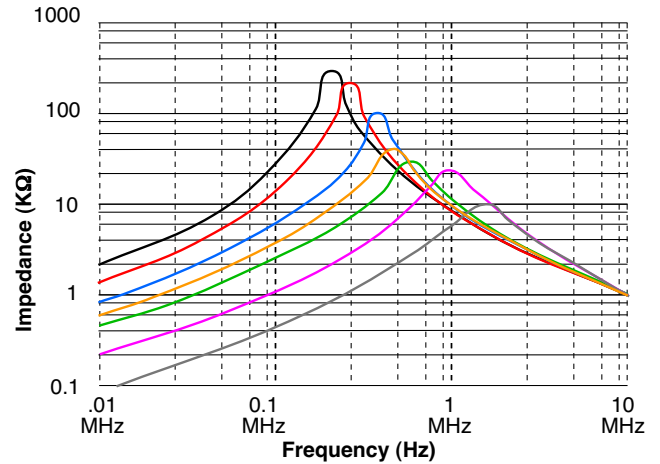
AC Power Line Choke EPZ3060LP-XXX

- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- Applicable Frequency : 0.1 MHz to 10 MHz
- Low Profile In Vertical Core Layout
- UL940-V Recognized Materials
- Temperature Rise : 60°C Max.
- UL1446 Insulating System
- 2000 Vrms Isolation
- 2-Section Bobbin

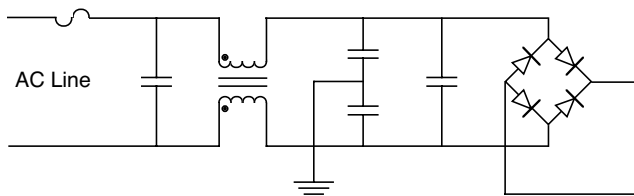
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) [Pins 1-2, 4-3]	Current Rating (A rms Max.)
EPZ3060LP-152	1.5	2.0
EPZ3060LP-182	1.8	1.7
EPZ3060LP-222	2.2	1.5
EPZ3060LP-302	3.0	1.3
EPZ3060LP-352	3.5	1.2
EPZ3060LP-552	5.5	1.0
EPZ3060LP-742	7.4	0.8
EPZ3060LP-103	10	0.7
EPZ3060LP-123	12	0.6
EPZ3060LP-203	20	0.5
EPZ3060LP-303	30	0.4
EPZ3060LP-433	43	0.3

Impedance Characteristics

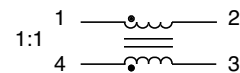


Circuit Sample

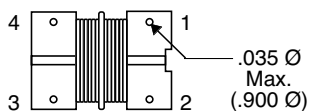
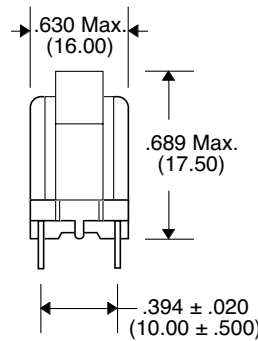
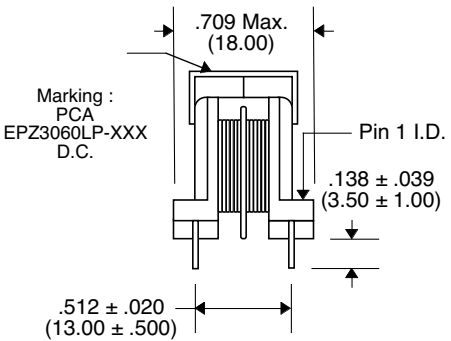


- | | | | |
|-------|---|------|---|
| 30 mH | — | 8 mH | — |
| 20 mH | — | 5 mH | — |
| 10 mH | — | 2 mH | — |
| | | 1 mH | — |

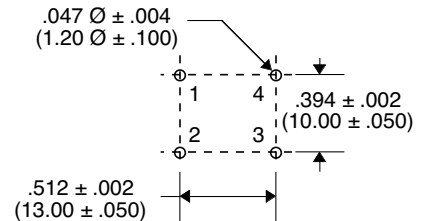
Schematic



Package



Recommended PWB Piercing Plan



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 /.25

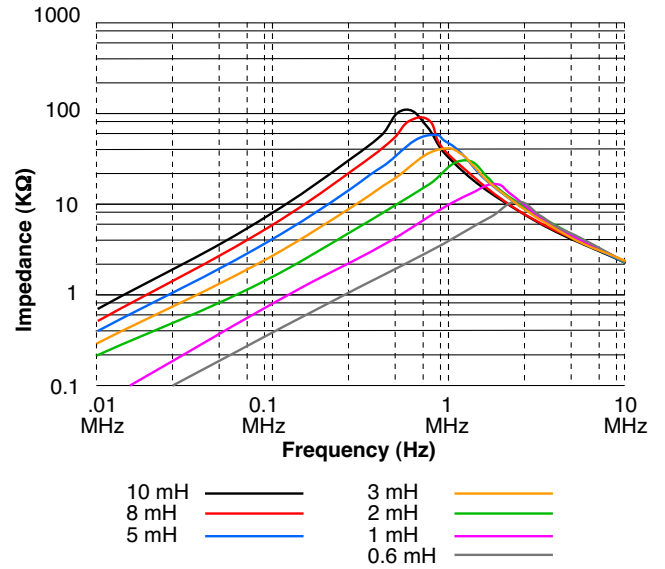
AC Power Line Choke EPZ3061LP-XXX

- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- Applicable Frequency : 0.2 MHz to 30 MHz
- Low Profile In Vertical Core Layout
- UL940-V Recognized Materials
- Temperature Rise : 60°C Max.
- UL1446 Insulating System
- 2000 Vrms Isolation
- 4-Section Bobbin

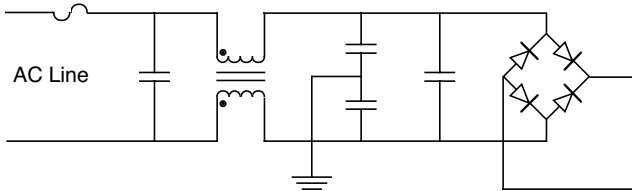
Electrical Parameters @ 25° C

Part Number	Inductance (mH Min.) [Pins 1-2, 4-3]	Current Rating (A rms Max.)
EPZ3061LP-901	0.9	2.0
EPZ3061LP-132	1.3	1.7
EPZ3061LP-182	1.8	1.5
EPZ3061LP-202	2.0	1.3
EPZ3061LP-362	3.6	1.0
EPZ3061LP-772	7.7	0.7
EPZ3061LP-133	13	0.5
EPZ3061LP-223	22	0.4
EPZ3061LP-363	36	0.3

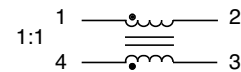
Impedance Characteristics



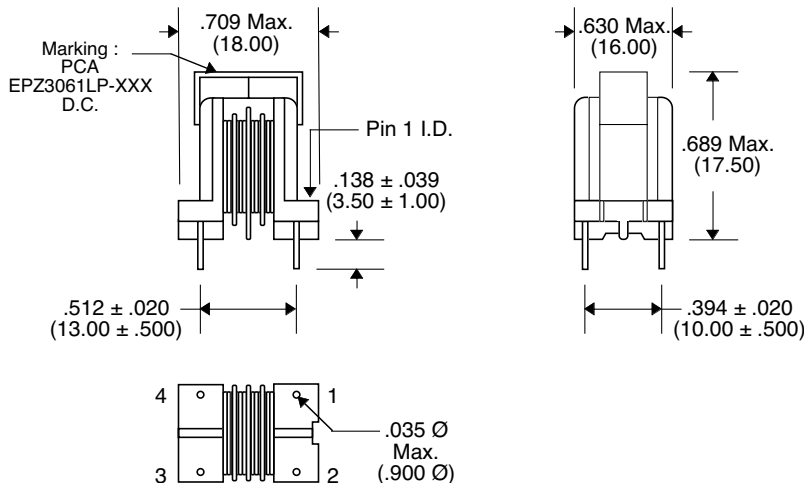
Circuit Sample



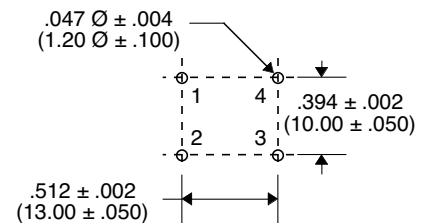
Schematic



Package



Recommended PWB Piercing Plan



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 /.25

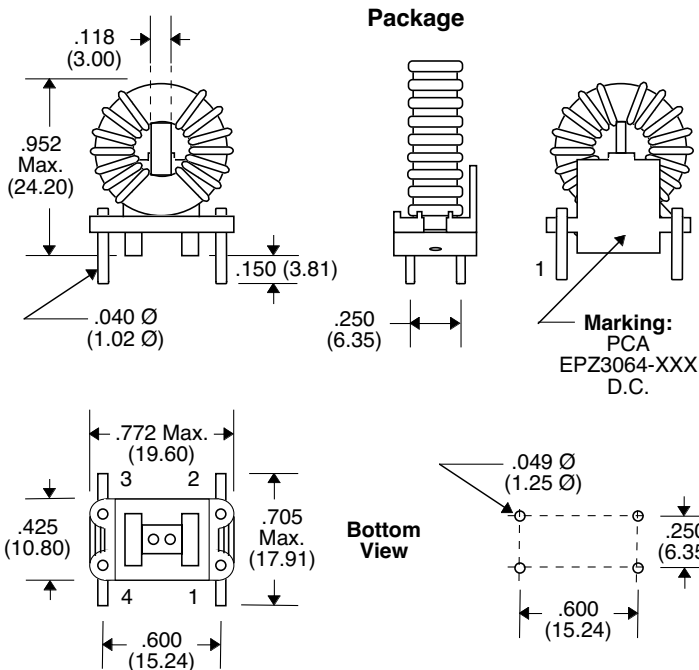
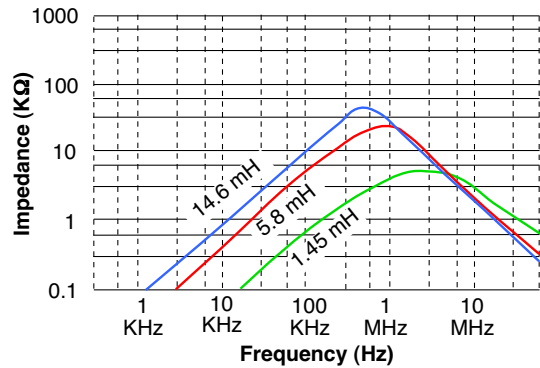
- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- UL94V0 Recognized Materials
- Excellent for EMI Suppression
- UL1446 Insulating System
- High Current Ratings

Electrical Parameters @ 25° C

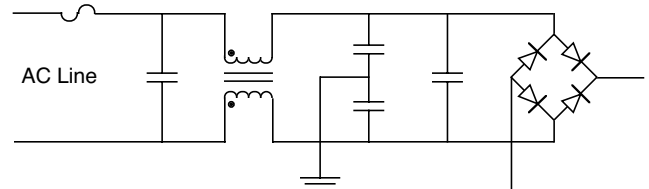
Part Number	Inductance (mH)		Current Rating (A rms Max.)	DCR (Ω Typ.)	Temp. Rise (Typ)
	[Pins 1-2, 4-3] Min.	Typ.			
EPZ3064-102	1.0	1.45	4.8	.019	35
EPZ3064-262	2.6	3.8	2.4	.076	35
EPZ3064-402	4.0	5.8	1.7	.144	34
EPZ3064-552	5.5	7.9	1.4	.206	33
EPZ3064-752	7.5	10.8	1.1	.367	35
EPZ3064-103	10.2	14.6	0.8	.666	34

• Isolation : 3750 Vrms •

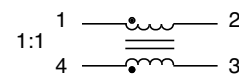
Typical Impedance Characteristics



Circuit Sample



Schematic



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

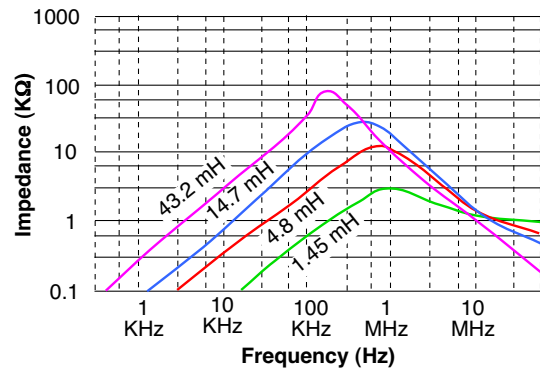
- Used as AC Power Line Filters in CTV, VTR, Audios, PC's, Facsimilies and Power Supply Applications
- UL94V0 Recognized Materials
- Excellent for EMI Suppression
- UL1446 Insulating System
- High Current Ratings

Electrical Parameters @ 25° C

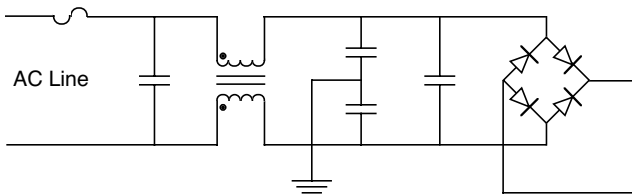
Part Number	Inductance (mH)		Current Rating (A rms Max.)	DCR (Ω Typ.)	Temp. Rise (Typ)
	[Pins 1-2, 4-3] Min.	Typ.			
EPZ3065-102	1.0	1.45	11	.008	34
EPZ3065-202	2.0	3.1	6.6	.022	36
EPZ3065-302	3.3	4.8	4.6	.044	35
EPZ3065-522	5.2	7.5	3.7	.070	36
EPZ3065-752	7.5	10.8	2.8	.123	36
EPZ3065-103	10.2	14.7	2.4	.168	36
EPZ3065-153	15.5	22.2	1.9	.267	36
EPZ3065-203	20	28.8	1.5	.380	33
EPZ3065-303	30	43.2	1.1	.743	34

• Isolation : 3750 Vrms •

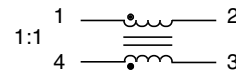
Typical Impedance Characteristics



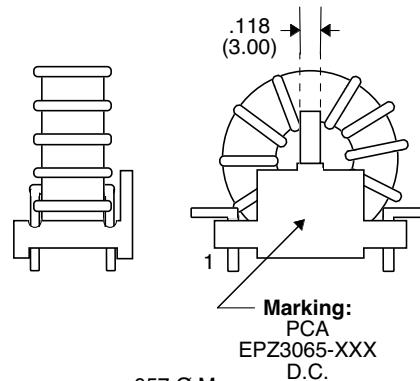
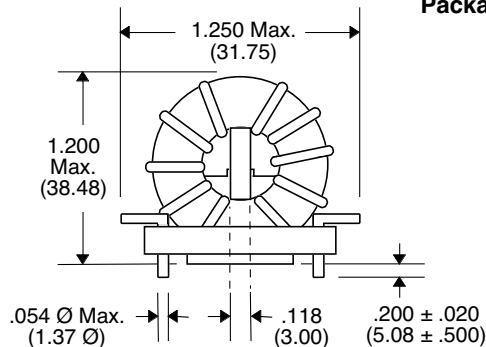
Circuit Sample



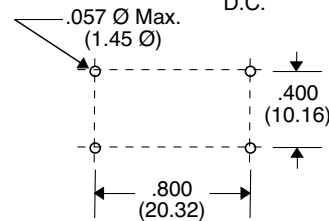
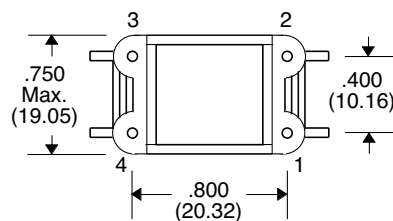
Schematic



Package



Bottom View



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

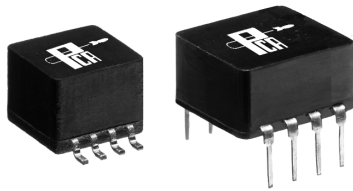


Contents LAN Common Mode Chokes

PCA Part No.	Inductance Range (mH)	Tolerance	Current	Length	Width	Height
EPA120	328	Min.	4	.280	.420	.175
EPA2163	85	Min.	2	.220	.280	.230
EPA2794	22.5	Min.	4	.470	.280	.230
EPA3308A	35	Min.	2	.195	.260	.150
EPA3308S	35	Min.	2	.215	.300	.160
EPA3393	2.0	Min.	3	.900	.400	.390
EPA3482	4.0	Min.	2 x 8	1.13	.490	.255
EPA3569S	36	Min.	2 x 4	.490	.270	.240
EPA3571	36	Min.	2	.220	.250	.220
EPT7003	5.0	Typ.	4	.230	.265	.180
EPT7003G	5.0	Typ.	4	.215	.300	.160
EPZ3022G	.033	Min.	---	.450	.265	.215
EPZ3027G	115	5%	---	.260	.170	.250
EPZ4000SE	5.0	Typ.	2	.240	.280	.160
EPZ4000SEM	5.0	Typ.	2	.299	.216	.102

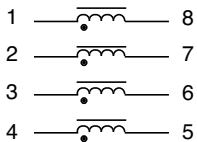
4 Line Common Mode Filter

EPA120 & EPA120G

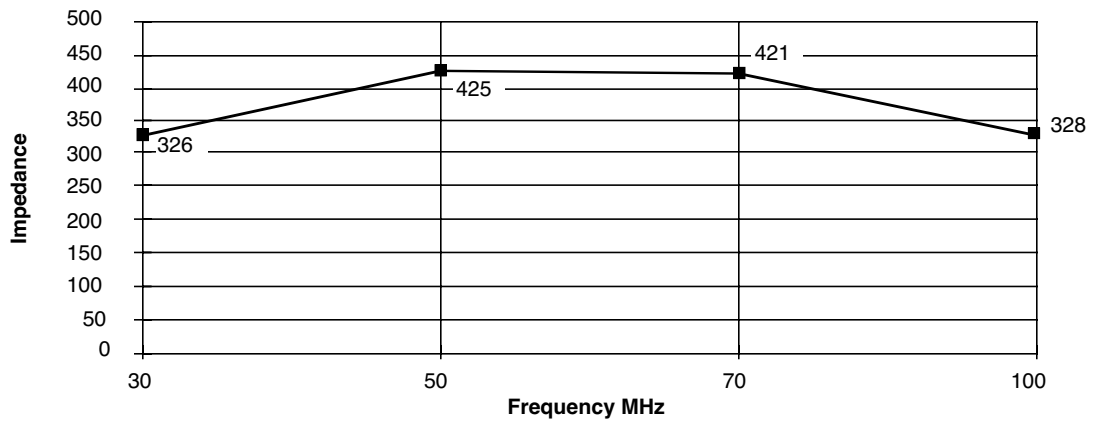


- Impedance limits per chart measured using HP4193A Vector Impedance Meter
- Package transfer-molded epoxy suitable for auto-insertion
- Part is symmetrical : May be inserted either way
- Temperature Rise 45°C Max. @ 25°C Ambient
- Maximum Current : 1 Adc/Winding
- Hipot : 300 Vac

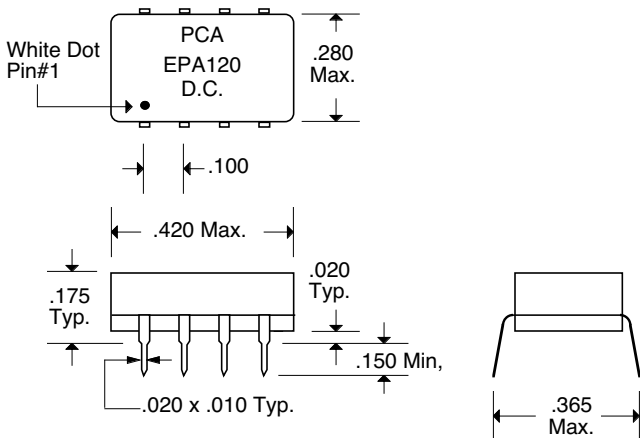
Schematic



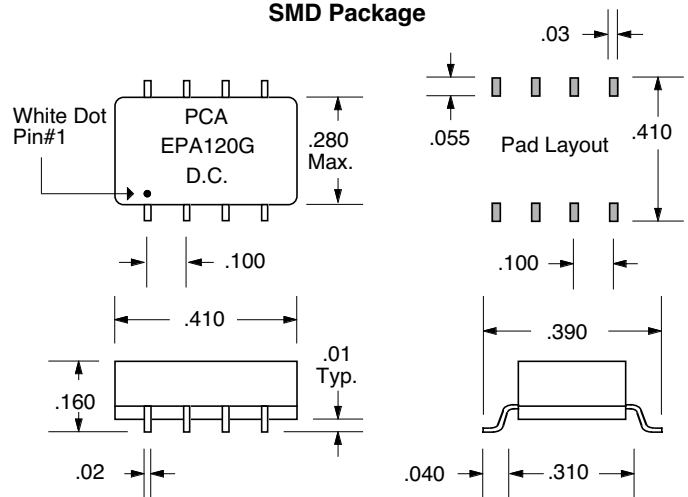
Impedance Lower Limit



DIP Package



SMD Package



Unless Otherwise Specified Dimensions are in Inches /mm ±.010 / .25

EPA2163

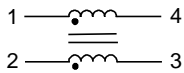


- Applications including FDDI-TP, Token Ring, Ethernet/10Base-T, ISDN, T1/CEPT/ISDN-PRI, and Fast Ethernet 10/100Base-T
- High impedance to minimize Common Mode Noise
- Complies with or exceeds IEEE Requirements
- Data Line Filters for EMI Noise Suppression

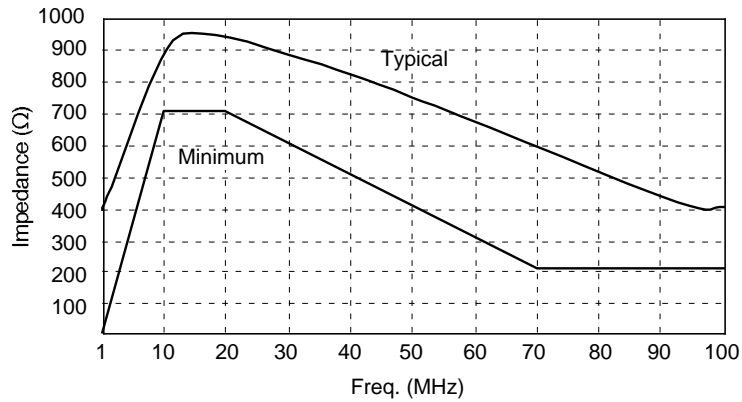
Electrical Parameters @ 25° C

OCL (μ H Min.)	Interwinding Capacitance (pF Max.)	Leakage Inductance (μ H Max.)	DCR (Max.)
@ 100 KHz, 0.1 Vrms	@ 100 KHz, 0.1 Vrms	@ 100 KHz, 0.1 Vrms	
85	12	0.25	0.20

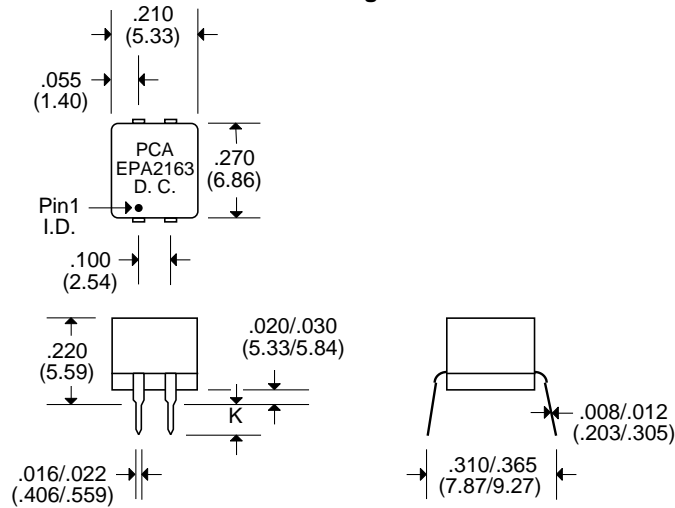
Schematic



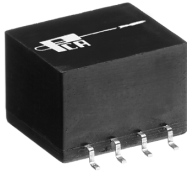
Impedance Vs Frequency



Package



Unless Otherwise Specified Dimensions are in Inches /mm \pm .010 / .25

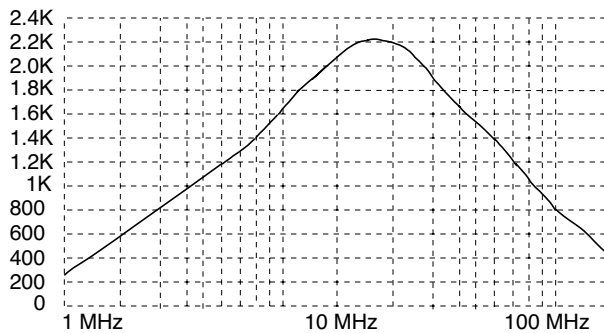


- Common Mode Filter Choke for Telecom Application
- Designed for 4-Wire Links, such as ISDN-S/T and T1/E1/CEPT
- High Frequency Chokes for EMI Reduction
- 500 Vrms Hipot

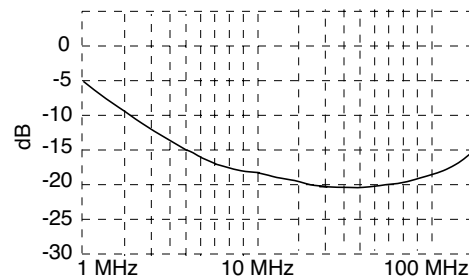
Electrical Parameters @ 25° C

OCL (μ H Min.)	Interwinding Capacitance (pF Max.)	Leakage Inductance (μ H Max.)	DCR (Ω Max.)
22.5	17	0.23	0.30

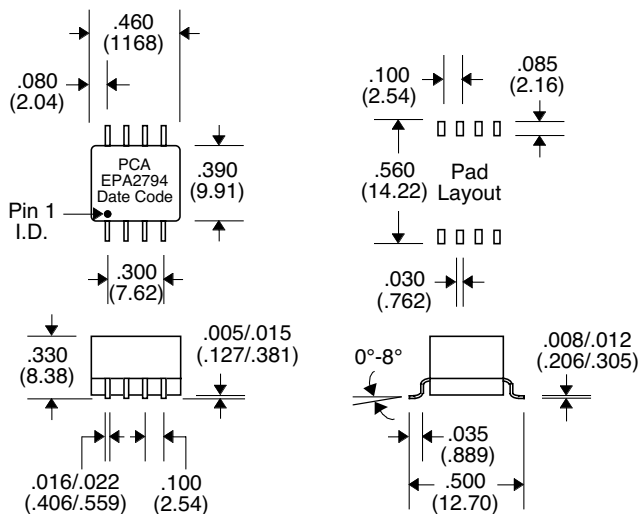
Typical Impedance



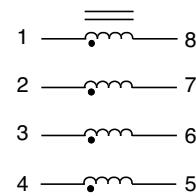
Typical Common Mode Attenuation



Package

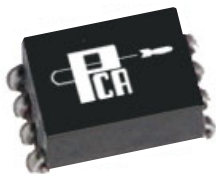


Schematic



Unless Otherwise Specified Dimensions are in Inches /mm \pm .010 / .25

EPA3308A

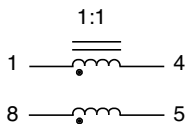


- Common Mode Choke for EMI Reduction
- Robust Construction to meet tough reflow process
- Rated Current : 500 mA
- 1500 Vrms Isolation

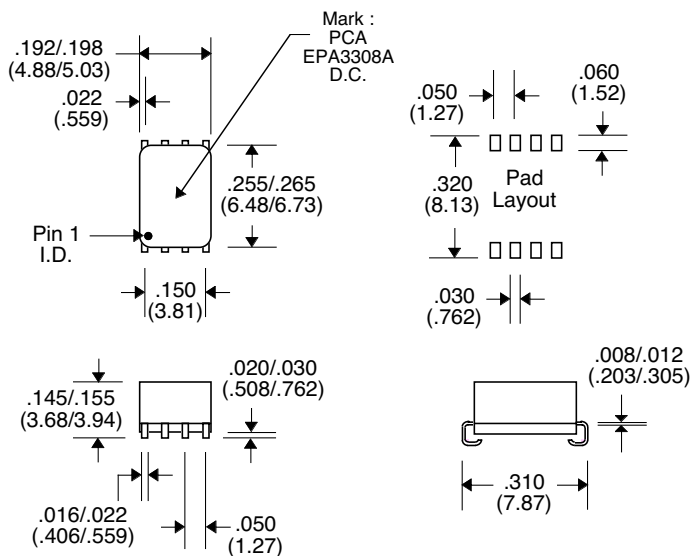
Electrical Parameters @ 25° C

Primary Inductance (μ H Min.)	Leakage Inductance (μ H Max.)	DCR (Ω Max.)
@ 100 KHz, 0.1 Vrms	@ 100 KHz, 0.1 Vrms	
35	.03	0.75

Schematic



Package



Unless Otherwise Specified Dimensions are in Inches /mm \pm .010 /.25

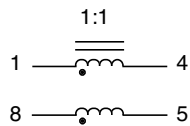
EPA3308S

- Common Mode Choke for EMI Reduction
- Robust Construction to meet tough reflow process
- Rated Current : 500 mA
- 1500 Vrms Isolation

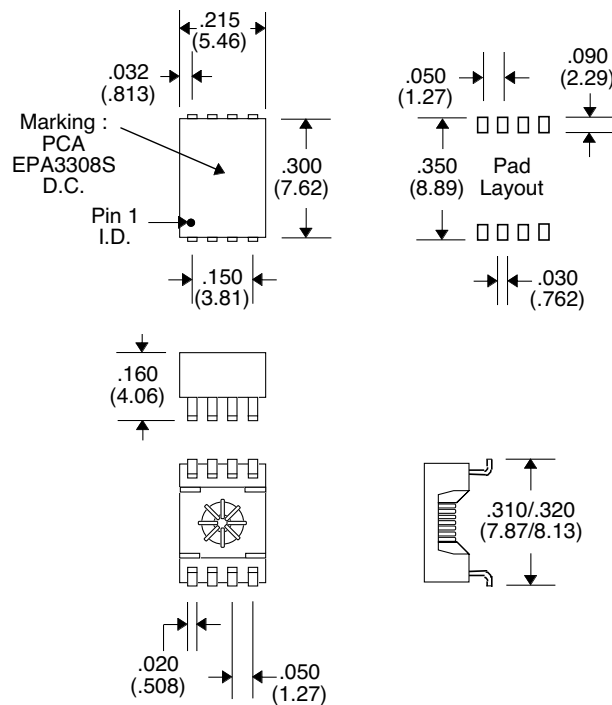
Electrical Parameters @ 25° C

Primary Inductance (μ H Min.)	Leakage Inductance (μ H Max.)	DCR (Ω Max.)
@ 100 KHz, 0.1 Vrms	@ 100 KHz, 0.1 Vrms	
35	.03	0.75

Schematic



Package



Unless Otherwise Specified Dimensions are in Inches /mm $\pm .010 / .25$

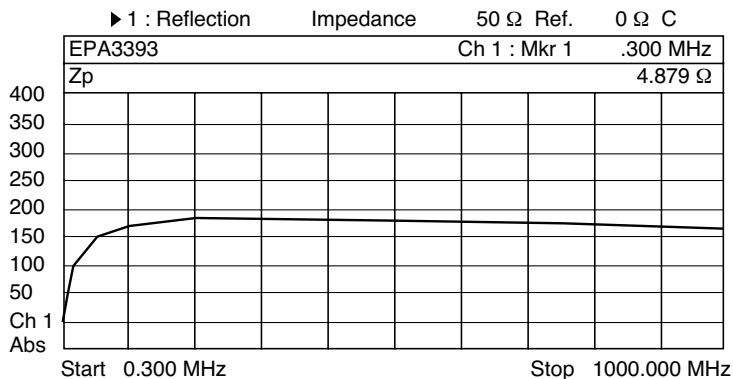
EPA3393

- Greater or equal to 140 Ω impedance @ 1 GHz
- Material meets Class 130
- 1500 Vrms Isolation

Electrical Parameters @ 25° C

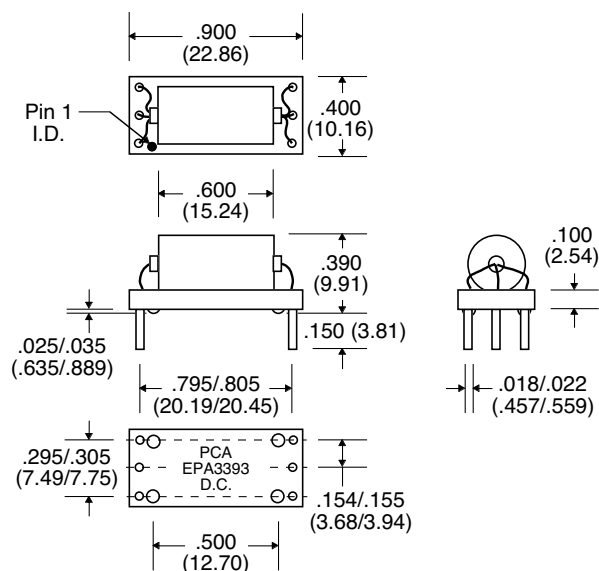
OCL (μ H Min.)	Interwinding Capacitance (pF Ref.)	Leakage Inductance (μ H Ref.)	DCR (Ω Max.)	Impedance (Ω Min.)
@ 100 KHz, 0.1 Vrms	@ 100 KHz, 0.1 Vrms	@ 100 KHz, 0.1 Vrms		@ 1 GHz
2.0	1.3	0.08	0.01	140

Typical Zp Graph

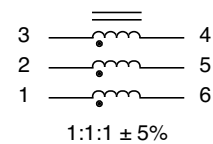


1 : Mkr	(MHz)	Ω
1:	0.30	4.879
2:	1.00	10.75
3:	10.00	68.08
4:	50.00	139.3
5:	100.00	166.2
6:	200.00	180.3
7:	500.00	183.4
8:	1000.00	172.6

Package

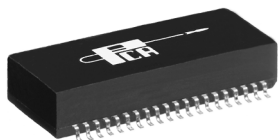


Schematic



Unless Otherwise Specified Dimensions are in Inches /mm \pm .010 / .25

EPA3482S

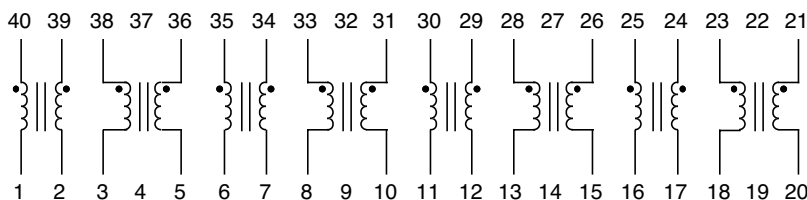


- Ideal for LAN Applications
- For use with 10Base-T, Token Ring and 100 MBPS
- High Frequency Choke for EMI Reduction

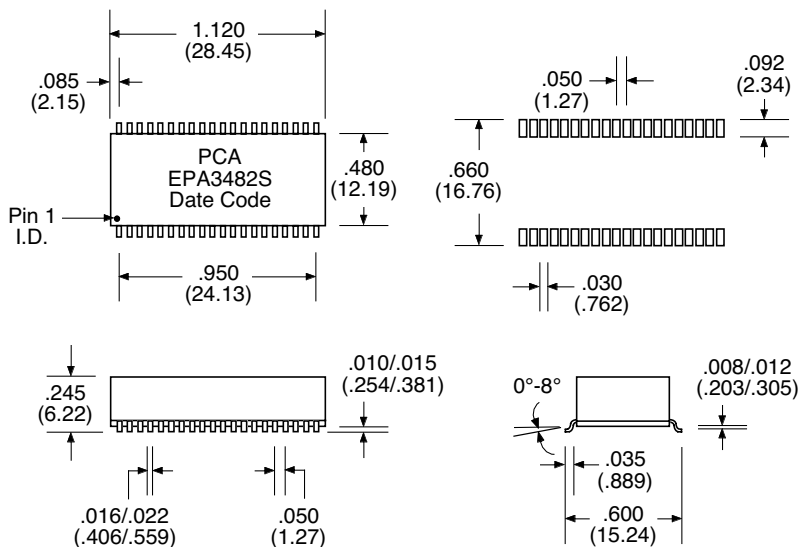
Electrical Parameters @ 25° C

OCL (μ H Min.)	Turns Ratio ($\pm 1\%$)	DCR (Ω Max.)	Hipot (Vrms)
@ 100 KHz, 100m Vrms			for 1 minute
40	1:1	0.6	500

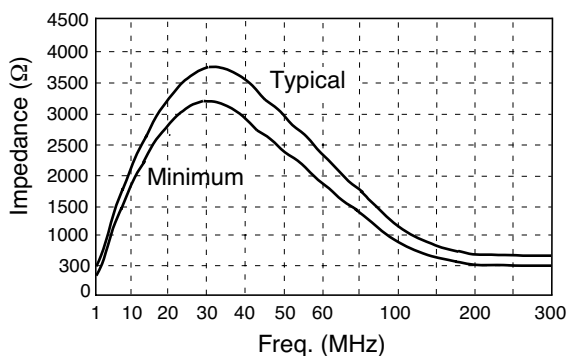
Schematic



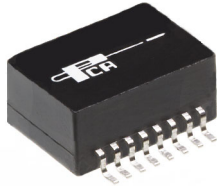
Package



Impedance Vs. Frequency



Unless Otherwise Specified Dimensions are in Inches /mm $\pm .010 / .25$

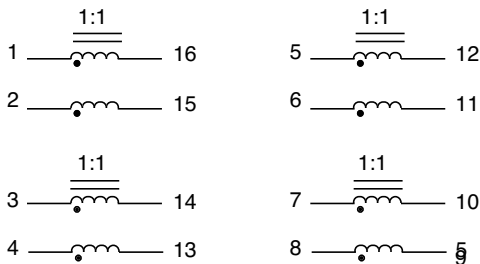


- Optimized for T1/E1 Applications
- Common Mode Choke for EMI Reduction

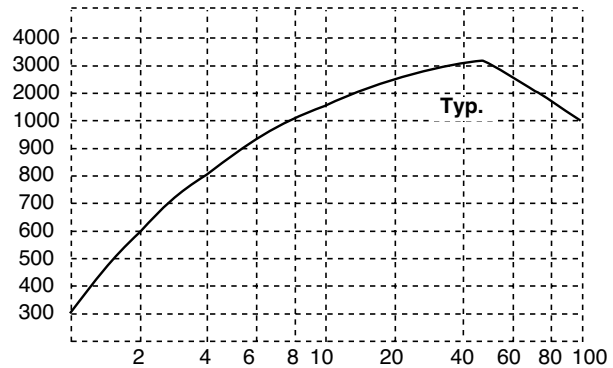
Electrical Parameters @ 25° C

OCL (μ H Min.)	Interwinding Capacitance (pF Max.)	Leakage Inductance (μ H Max.)	DCR (Ω Max.)
36	15	0.3	0.4

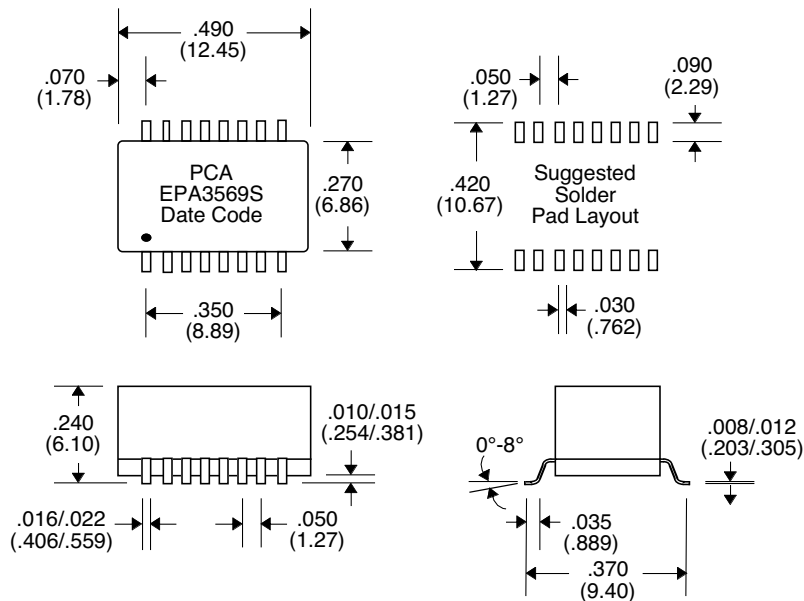
Schematic



Impedance Graph (deg Ω)



Package



Unless Otherwise Specified Dimensions are in Inches /mm $\pm .010 / .25$

EPA3571G

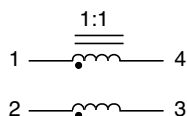


- Common Mode Choke for EMI Reduction

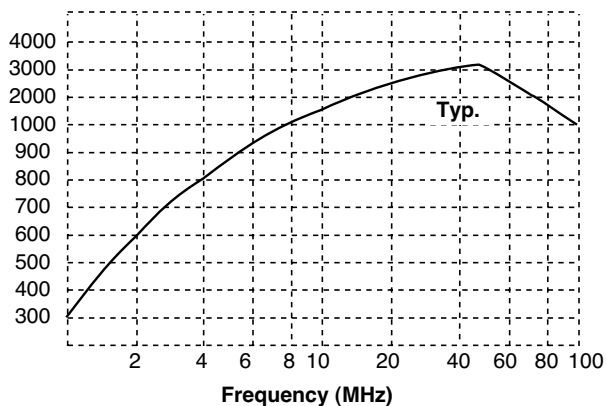
Electrical Parameters @ 25° C

OCL (μH Min.)	Interwinding Capacitance (pF Max.)	Leakage Inductance (μH Max.)	DCR (Ω Max.)
36	15	0.3	0.4

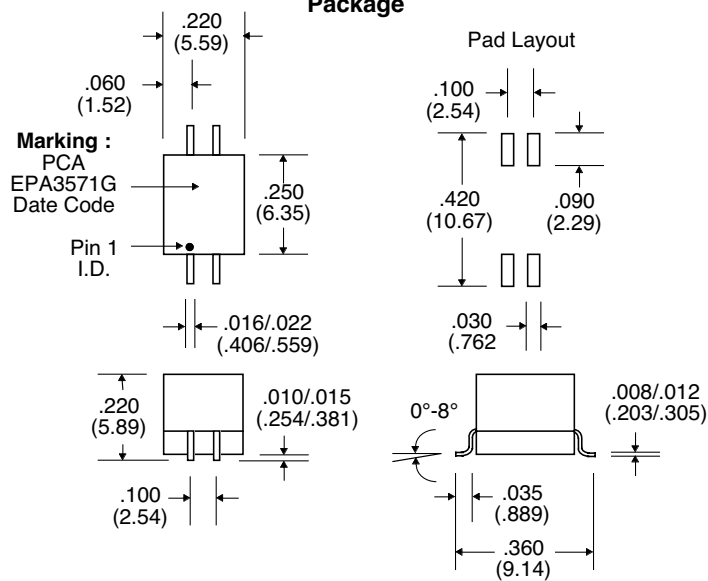
Schematic



Typical Common Mode Impedance (Ω)



Package



Unless Otherwise Specified Dimensions are in Inches /mm $\pm .010 / .25$

EPT7003

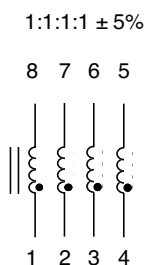


- Surface Mount Package
- Robust Construction for IR Processes
- Operating Temperature : 0°C to 85°C

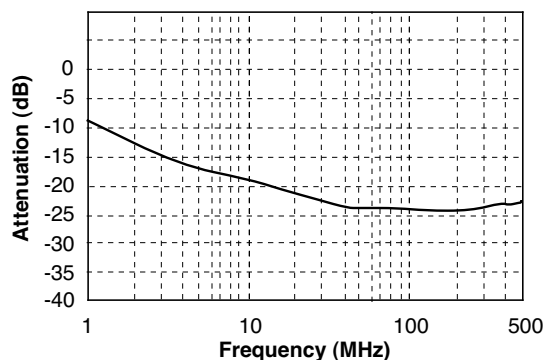
Electrical Parameters @ 25° C

Inductance (μ H Typ.)	DCR (Ω Max.)	Hipot (Vrms)	CMRR
@100 KHz, 100 m Vrms			
5.0	0.250	300	See Graph
Pins 1-8, 2-7, 3-6 and 4-5	Pins 1-8, 2-7, 3-6 and 4-5		

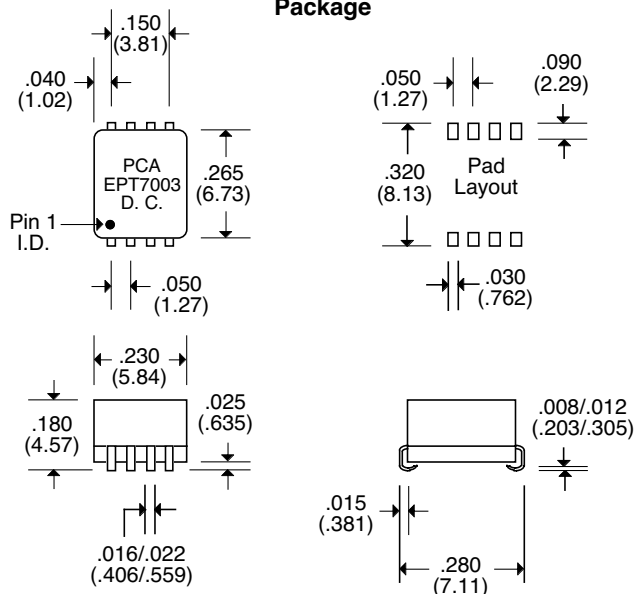
Schematic



Typical CMRR



Package



Unless Otherwise Specified Dimensions are in Inches /mm \pm .010 / .25

EPT7003C & EPT7003C-RC



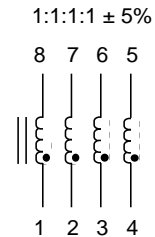
- Surface Mount Package
- Robust Construction for Reflow Processing
- Operating Temperature : 0°C to 85°C
- Peak Solder Rating (See Note 2)
- RoHS Compliant

Electrical Parameters @ 25° C

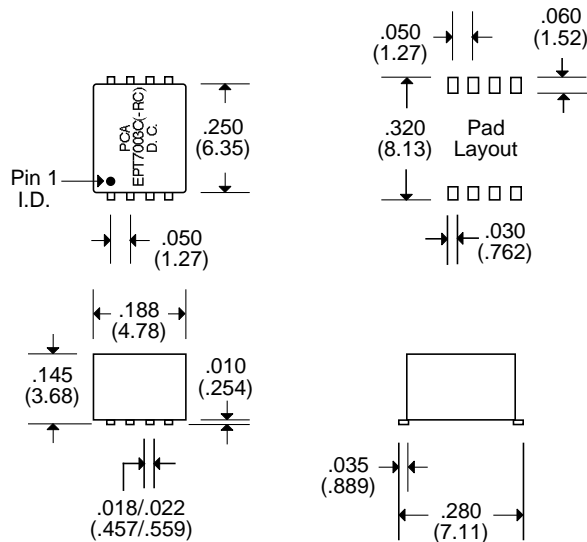
Inductance (µH Min.)	DCR (Max.)	Hipot (Vrms)	CMRR
@100 KHz, 100 m Vrms			
4.0	0.250	300	See Graph
Pins 1-8, 2-7, 3-6 and 4-5	Pins 1-8, 2-7, 3-6 and 4-5		

Notes :	EPT7003C	EPT7003C-RC
1. Assembly Process (Solder Composition)	SnPb	Pb-Free + (RoHS exemption 7a)
2. Peak Solder Rating (per IPC/JEDEC J-STD-020C)	225°C	260°C
3. Moisture Sensitive Levels (MSL) (per IPC/JEDEC J-STD-020C)	MSL = 3 (168 Hours, 30°C/60%RH)	MSL = 4 (72 Hours, 30°C/60%RH)
4. Weight	0.33 grams	0.33 grams
5. Packaging Information (*Add "TR" to end of part number when placing order)	1000 pieces/13" reel (*EPT7003C-TR)	1000 pieces/13" reel (*EPT7003C-RCTR)

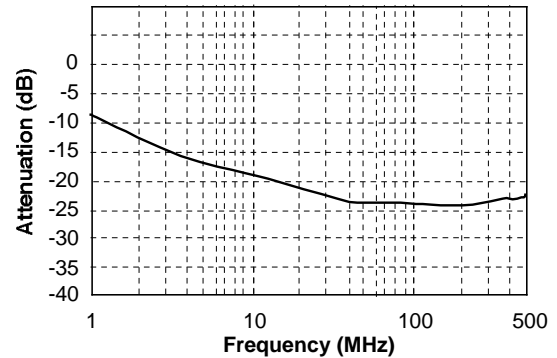
Schematic



Package



Typical CMRR



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

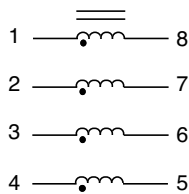
EPZ3022G

- Designed for 4-Wire Links, such as ISDN-S/T and T1/E1/CEPT
- High Frequency Chokes for EMI Reduction
- Operating Temperature : 0°C to +70°C

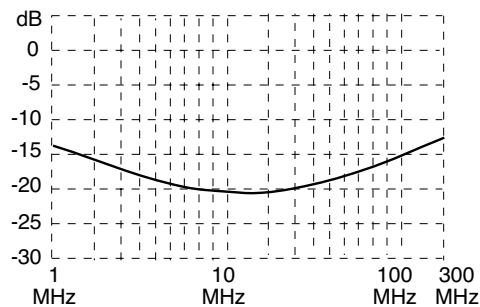
Electrical Parameters @ 25° C

OCL (μ H Min.) +25°C	Interwinding Capacitance (pF Max.)	Leakage Inductance (μ H Max.)	Hipot (Vrms)	DCR (Ω Max.)
@ 100 KHz, 0.1 Vrms	@ 100 KHz, 0.1 Vrms	@ 100 KHz, 0.1 Vrms		
33	20	0.3	500	0.2

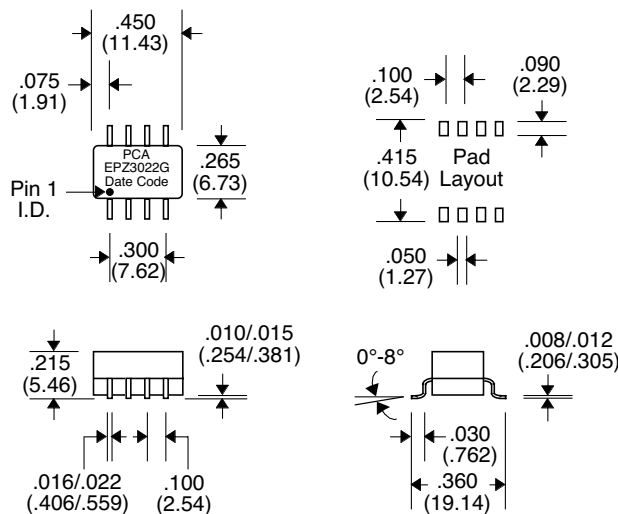
Schematic



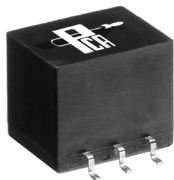
Typical Common Mode Attenuation



Package



Unless Otherwise Specified Dimensions are in Inches /mm \pm .010 / .25

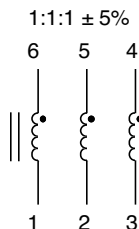


- Robust Construction allows for IR Processes
- Operating Temperature : 0°C to +70°C
- 6 Pin SMD Package

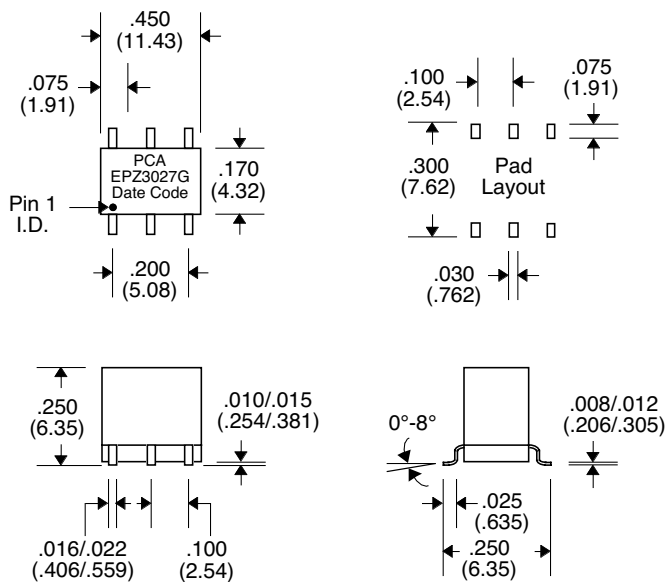
Electrical Parameters @ 25° C

Inductance (μ H Min.)	CMRR (dB Typ.)					DCR (Ω Max.)
	@ 100 KHz	@ 1 MHz	@ 10 MHz	@ 100 MHz	@ 500 MHz	
@ 100 KHz, 100 mVrms	-4	-13	-19	-19	-14	0.095
115						
Pins 1-6, 2-5 & 3-4						

Schematic



Package



Unless Otherwise Specified Dimensions are in Inches /mm \pm .010 / .25

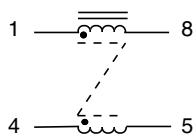
EPZ4000SE

- Common Mode Attenuation : 200 MHz to 2.5 GHz
- Robust Construction allows for IR/VP processes
- Operating Temperature : -40°C to +85°C

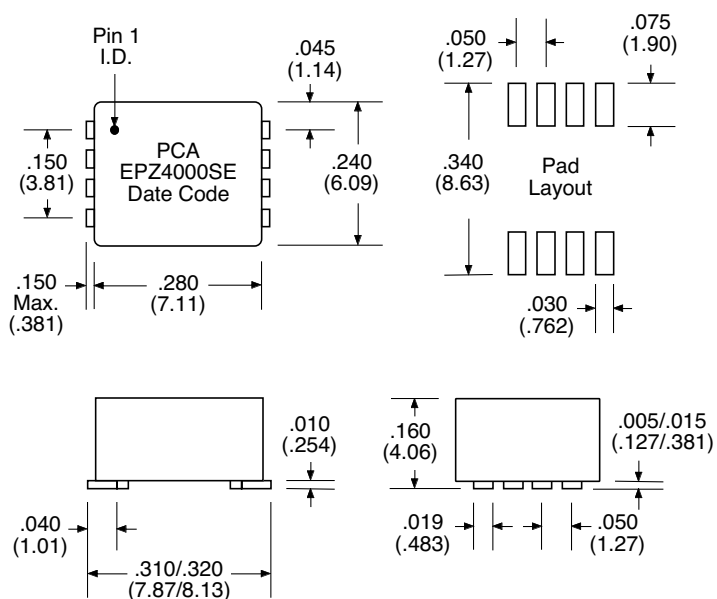
Electrical Parameters @ 25° C

OCL (μ H Typ.)	DCR (Ω Max.)
@ 100 KHz, 0.1 Vrms	
5	0.15

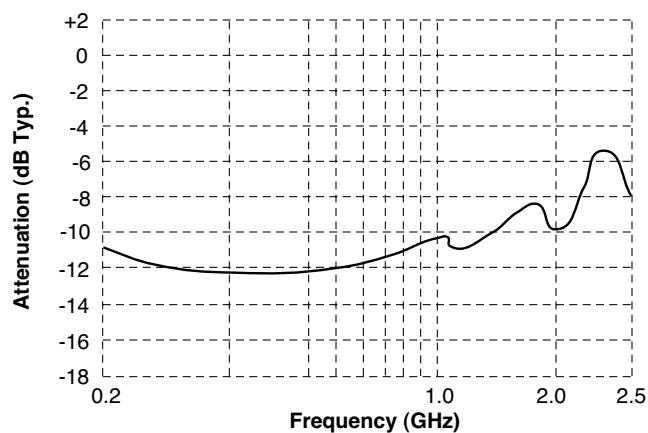
Schematic



Package



Attenuation Vs Frequency



Unless Otherwise Specified Dimensions are in Inches /mm $\pm .010 / .25$

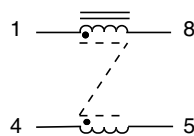
EPZ4000SME

- Common Mode Attenuation : 200 MHz to 2.5 GHz
- Robust Construction allows for IR/VP processes
- Operating Temperature : -40°C to +85°C

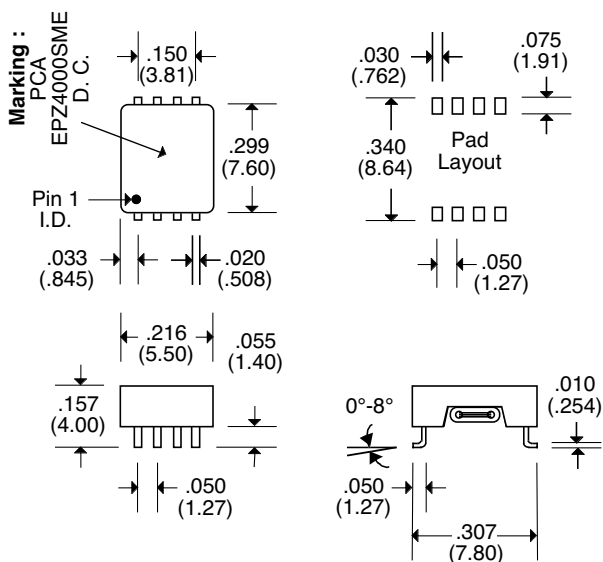
Electrical Parameters @ 25° C

OCL (μ H Typ.)	DCR (Ω Max.)
@ 100 KHz, 0.1 Vrms	
5	0.15

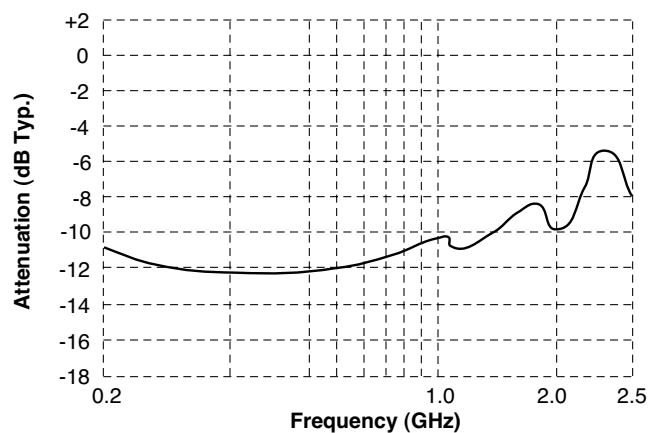
Schematic



Package



Attenuation Vs Frequency



Unless Otherwise Specified Dimensions are in Inches /mm $\pm .010 / .25$



Contents DC Power Chokes

PCA Part No.	Inductance Range (mH)	Tolerance	Current	Length	Width	Height
EPZ3001G	3.0	Min.	2.5 A	.585	.720	.390
EPZ3002G	3.0	30%	2.5 A	.670	.770	.390
EPZ3003G	.0015	Min.	5.0 A	.275	.364	.234
EPZ3004G	1.17	25%	1.22 A	.500	.500	.215
EPZ3005G	.884	25%	1.63 A	.500	.500	.215
EPZ3006G	1.47	25%	2.80 A	.670	.770	.390
EPZ3007G	1.32	25%	3.30 A	.670	.770	.390
EPZ3008G	.225	25%	3.30 A	.670	.770	.390
EPZ3009G	.768	25%	4.70 A	.670	.770	.390
EPZ3010GE	.590	25%	5.60 A	.670	.770	.390
EPZ3011G	.530	25%	7.20 A	1.11	1.00	.390
EPZ3012G	.809	25%	9.70 A	1.22	1.00	.500
EPZ3013G	.630	25%	11.6 A	1.22	1.00	.500
EPZ3014G	.473	25%	14.0 A	1.22	1.00	.500
EPZ3023G	.003	25%	10.0 A	.450	.265	.215

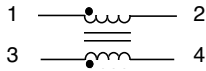


- Noise Suppression Choke
- 2.5 A Max. Rated Current
- 500 Vrms Isolation

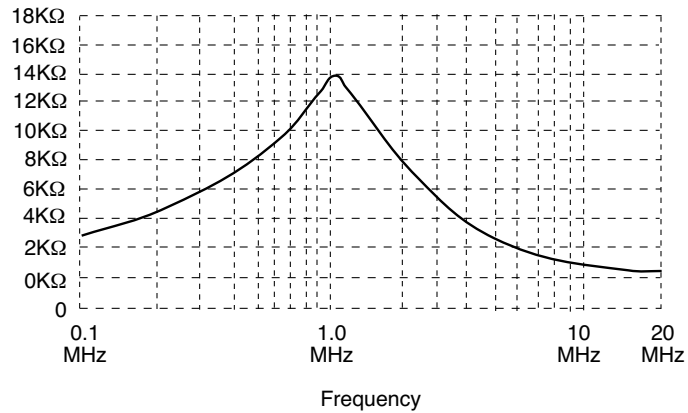
Electrical Parameters @ 25° C

Inductance (mH Min.)	Inductance (mH Min.) @ 2 mA DC Bias	DCR (mΩ Max.)	Turns Ratio	SRF (MHz Typ.)	Temp. Rise @ 2.5 A (°C Typ.)
@10 KHz, 0.1 Vrms	@1 KHz, 0.1 Vrms	Matched with ± 5%			
3.0	2.4	.080	1 : 1	1.0	42
Pins 1-2, 3-4	Pins 1-2, 3-4	Pins 1-2, 3-4	Pins 1-2 : 3-4		

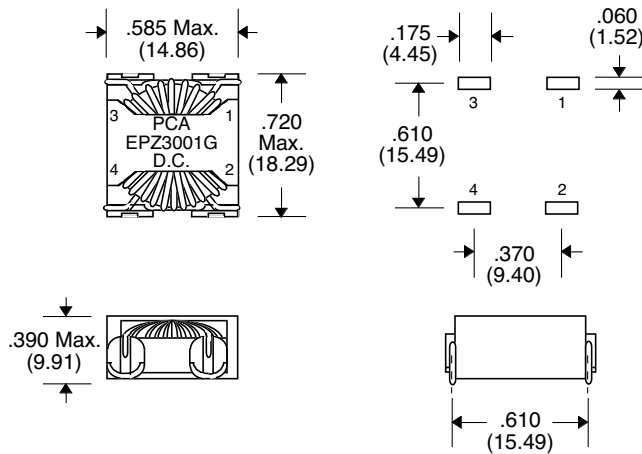
Schematic



Impedance (mp)



Package



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

Power Choke

EPZ3002G

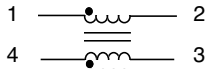


- Noise Suppression Choke
- 2.5 A Max. Rated Current
- 500 Vrms Isolation

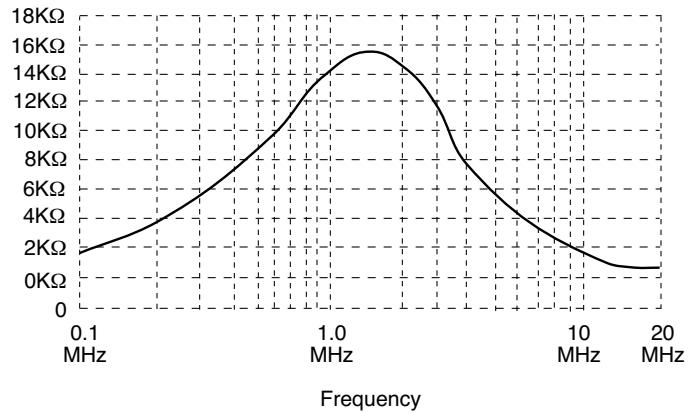
Electrical Parameters @ 25° C

Inductance (mH ± 30%)	DCR (mΩ Max.)	Turns Ratio	SRF (MHz Typ.)	Temp. Rise @ 2.5 A (°C Typ.)
@10 KHz, 0.1 Vrms	Matched with ± 5%			
3.0	.080	1 : 1	1.5	37
Pins 1-2, 3-4	Pins 1-2, 3-4	Pins 1-2 : 3-4		

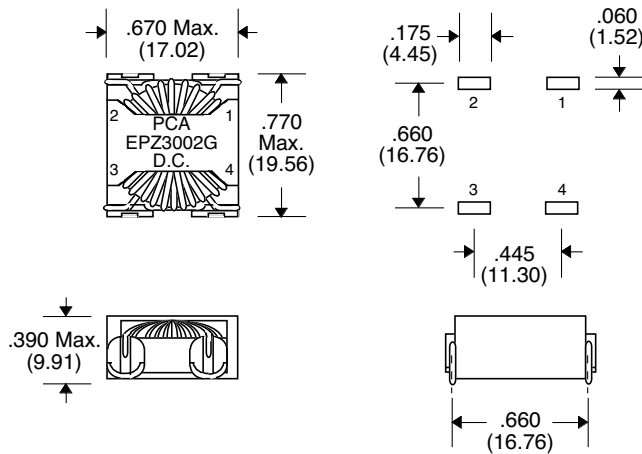
Schematic



Impedance (mp)



Package



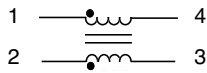
Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

- Noise Suppression Choke
- 5 A Max. Rated Current
- 250 Vrms Isolation

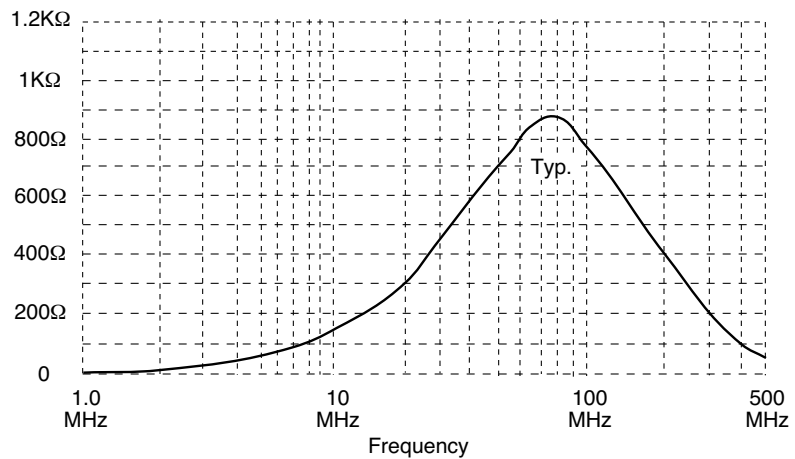
Electrical Parameters @ 25° C

Inductance ($\mu\text{H} \pm 30\%$)	Impedance (Ω Min.)	DCR ($\text{m}\Omega$ Max.)	Turns Ratio	SRF (MHz Typ.)
	@100 MHz			
1.5	600	11	1 : 1	80
Pins 1-4, 2-3	Pins 1-4, 2-3	Pins 1-4, 2-3	Pins 1-4 : 2-3	

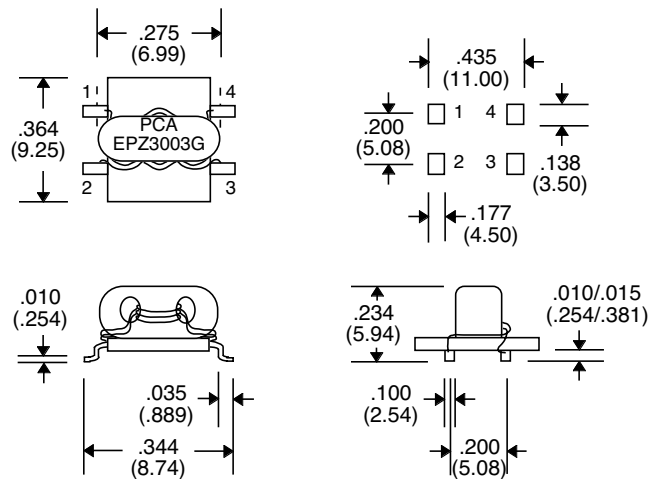
Schematic



Impedance Curve



Package



Unless Otherwise Specified Dimensions are in Inches /mm $\pm .010 / .25$

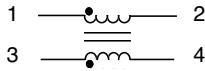


- Noise Suppression Choke
- 1.22 A Max. Rated Current
- 500 Vrms Isolation

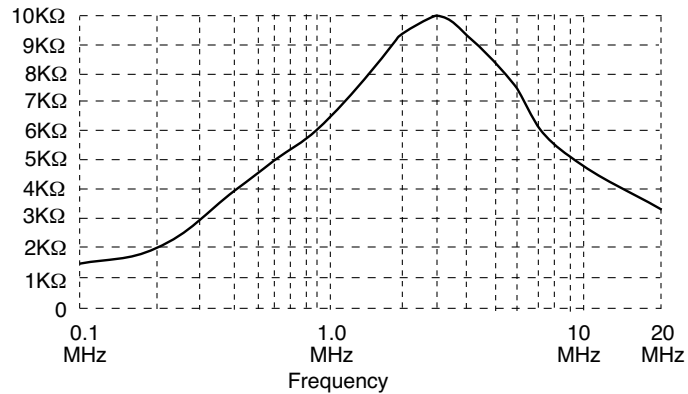
Electrical Parameters @ 25° C

Inductance (mH ± 25%)	DCR (mΩ Max.)	Turns Ratio	SRF (MHz Typ.)	Temp. Rise @ 1.22 A (°C Typ.)
@10 KHz, 0.1 Vrms	Matched with ± 5%			
1.17	.200	1 : 1	3.0	37
Pins 1-2, 3-4	Pins 1-2, 3-4	Pins 1-2 : 3-4		

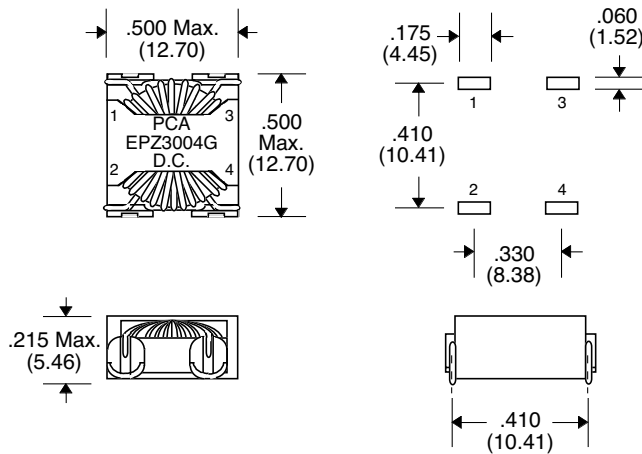
Schematic



Impedance Curve



Package



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

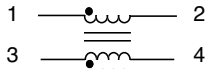


- Noise Suppression Choke
- 1.63 A Max. Rated Current
- 500 Vrms Isolation

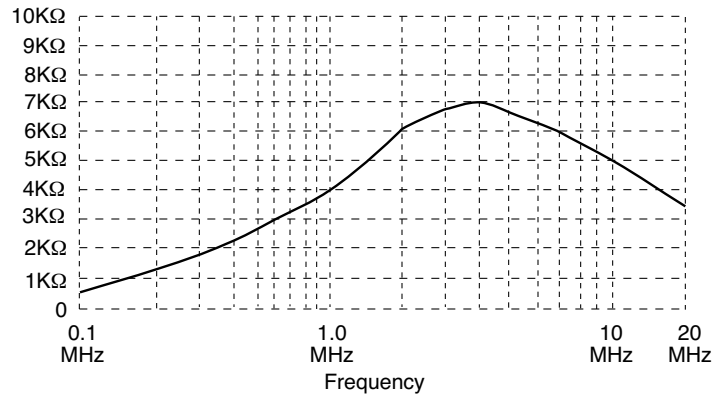
Electrical Parameters @ 25° C

Inductance (mH ± 25%)	DCR (mΩ Max.)	Turns Ratio	SRF (MHz Typ.)
@10 KHz, 0.1 Vrms	Matched with ± 5%		
.884	110	1 : 1	4.0
Pins 1-2, 3-4	Pins 1-2, 3-4	Pins 1-2 : 3-4	

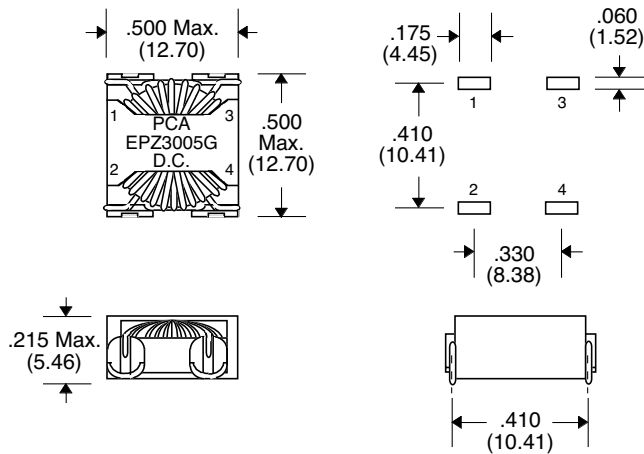
Schematic



Impedance Curve



Package



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

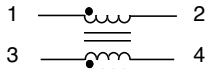


- Noise Suppression Choke
- 2.80 A Max. Rated Current
- 500 Vrms Isolation

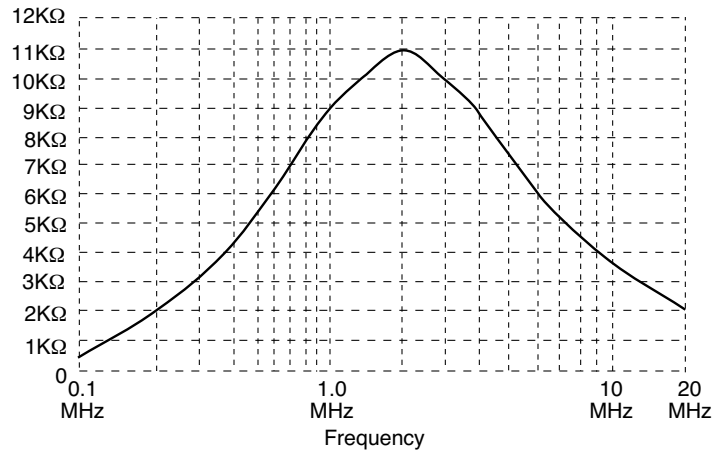
Electrical Parameters @ 25° C

Inductance (mH ± 25%)	DCR (mΩ Max.)	Turns Ratio	SRF (MHz Typ.)
@10 KHz, 0.1 Vrms	Matched with ± 5%		
1.47	80	1 : 1	2.0
Pins 1-2, 3-4	Pins 1-2, 3-4	Pins 1-2 : 3-4	

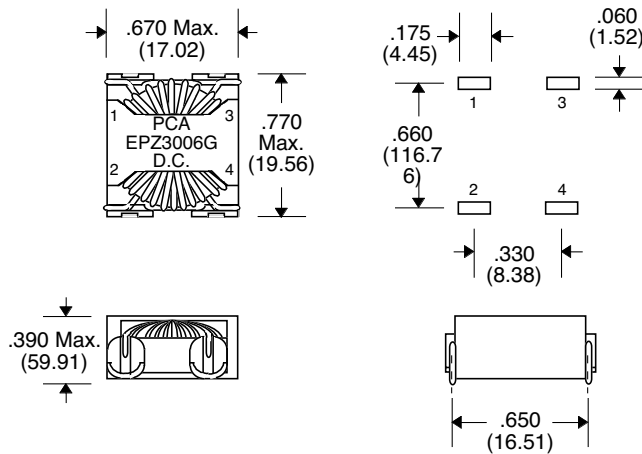
Schematic



Impedance Curve



Package



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

EPZ3007G

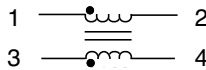


- Used in DC/DC Converter
- UL94V-0 Recognized Materials
- UL1446 Class B Insulating System
- Operating Temperature : -40°C to +85°C
- Noise suppression Choke
- 3.30 A Rated Current
- 500 Vrms Isolation

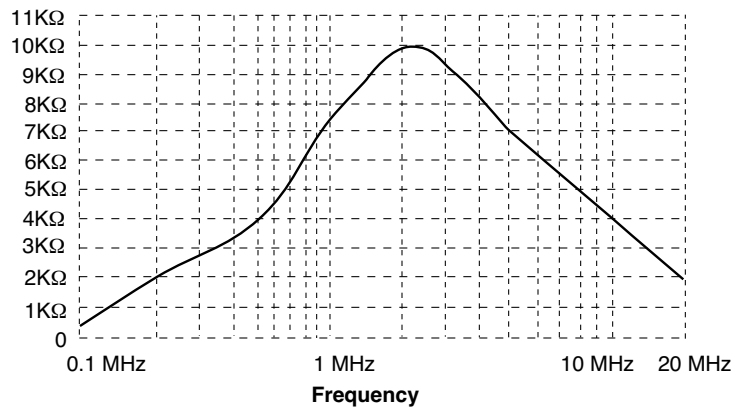
Electrical Parameters @ 25° C

Inductance (mH ± 25%)	DCR (mΩ Max.)	Turns Ratio	SRF (MHz Typ.)
@10 KHz, 0.1 Vrms	Matched with ± 5%		
Pins 1-2, 3-4	Pins 1-2, 3-4	Pins 1-2 : 3-4	
1.32	60	1 : 1	2.0

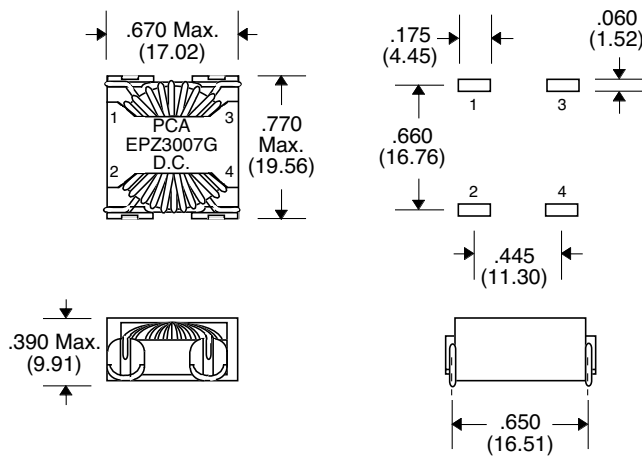
Schematic



Impedance Curve



Package



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

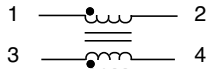


- Noise Suppression Choke
- 3.30 A Max. Rated Current
- 500 Vrms Isolation

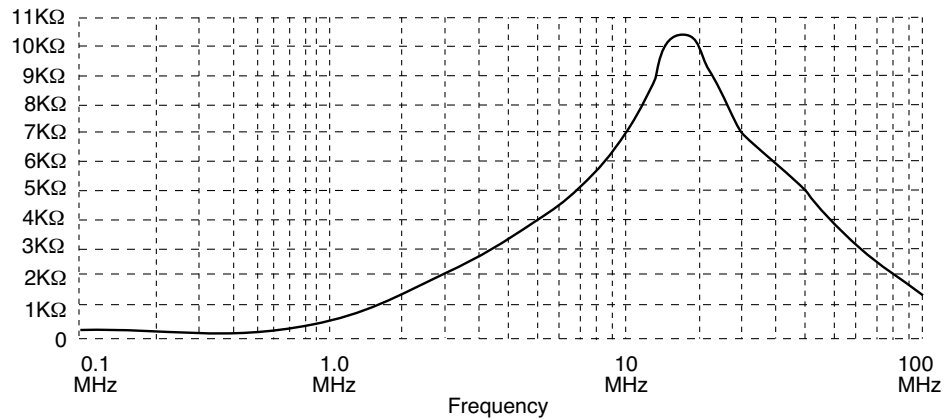
Electrical Parameters @ 25° C

Inductance (mH ± 25%)	DCR (Ω Max.)	Turns Ratio	SRF (MHz Typ.)
@10 KHz, 0.1 Vrms	Matched with ± 5%		
.225	60	1 : 1	18
Pins 1-2, 3-4	Pins 1-2, 3-4	Pins 1-2 : 3-4	

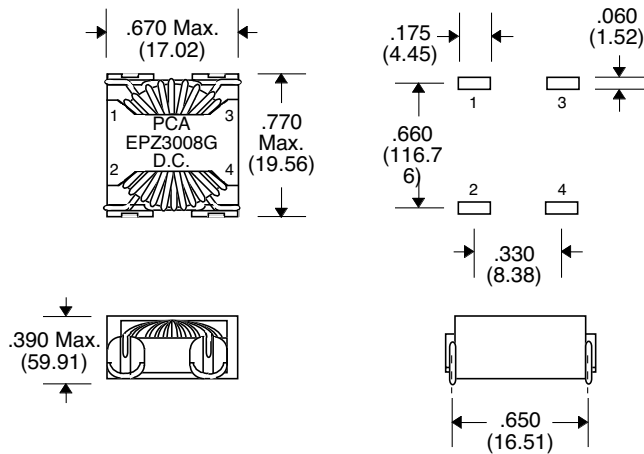
Schematic



Impedance Curve



Package



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25



- Used in DC/DC Converter
- UL 94V-0 Recognized Material
- UL 1446 Class B Insulation System
- Operating Temperature : -40°C to +85°C
- Noise suppression Choke
- 4.70 A Rated Current
- 500 Vrms Isolation

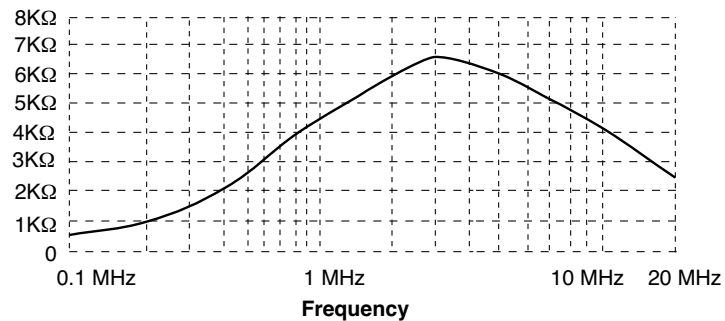
Primary Specification

Inductance (mH \pm 25%)	DCR (m Ω Max.)	Turns Ratio	SRF (MHz Typ.)
@10 KHz, 0.1 Vrms	Matched with \pm 5%		
0.768	40	1 : 1	3.0
Pins 1-2, 3-4	Pins 1-2, 3-4	Pins 1-2 : 3-4	

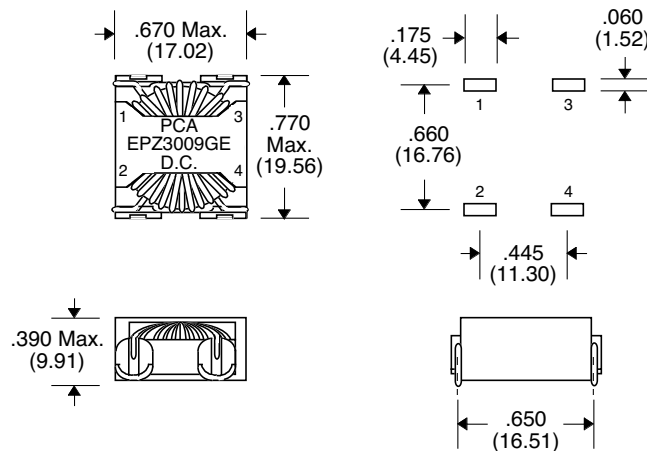
Schematic



Impedance Curve



Package



Unless Otherwise Specified Dimensions are in Inches /mm \pm .010 / .25

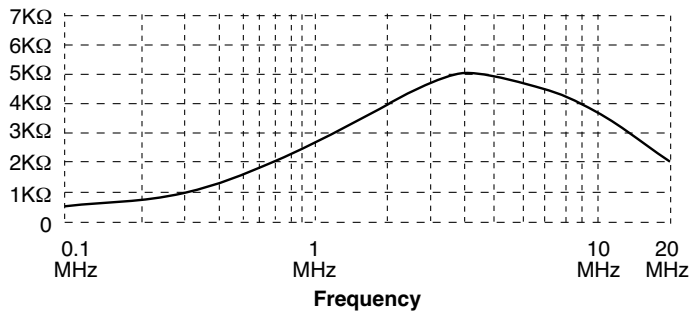


- Used in DC/DC Converter
- Noise suppression Choke
- 5.60 A Rated Current
- 1500 Vrms Isolation
- Operating Temperature : -40°C to 85°C

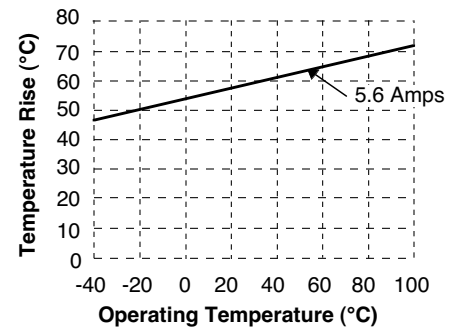
Electrical Parameters @ 25° C

Inductance (mH \pm 25%)	DCR (m Ω Max.)	Turns Ratio	SRF (MHz Typ.)
@10 KHz, 0.1 Vrms	Matched with \pm 5%		
Pins 1-2, 3-4	Pins 1-2, 3-4	Pins 1-2 : 3-4	
0.590	20	1 : 1	4.0

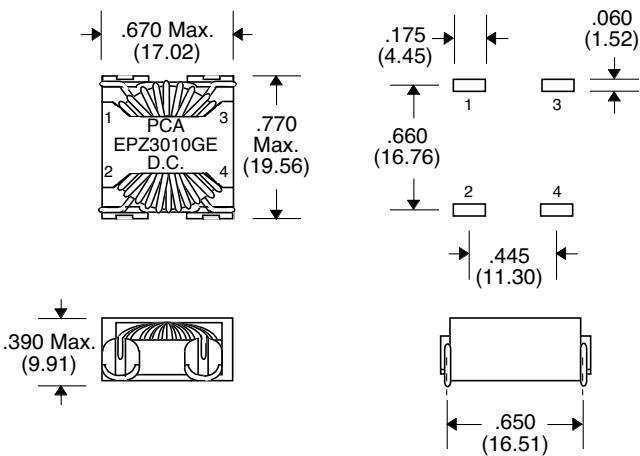
Impedance Curve



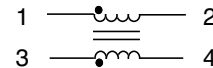
Temperature Graph



Package



Schematic



Unless Otherwise Specified Dimensions are in Inches /mm \pm .010 / .25

EPZ3011G & EPZ3011G-LF



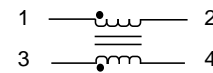
- Noise Suppression Choke
- 7.20 A Max. Rated Current
- Add "-LF" after part number for Lead Free
- 500 Vrms Isolation

Electrical Parameters @ 25° C

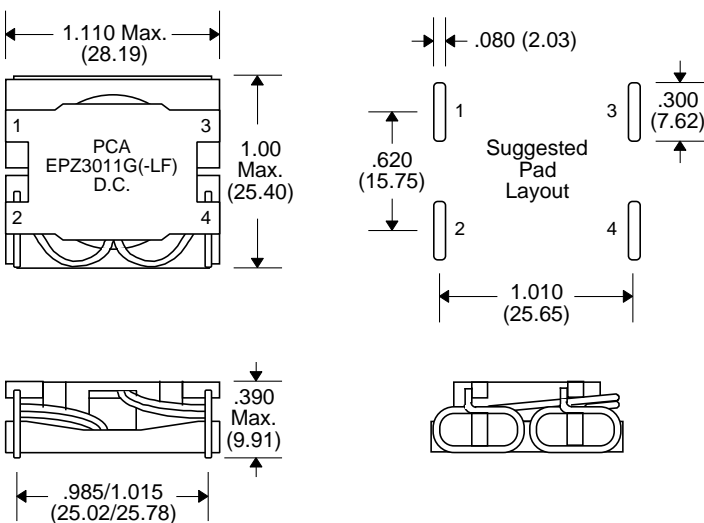
Inductance (mH ± 25%)	DCR (m Max.)	Turns Ratio	SRF (MHz Typ.)
@10 KHz, 0.1 Vrms	Matched with ± 5%		
.530	15	1 : 1	4.0
Pins 1-2, 3-4	Pins 1-2, 3-4	Pins 1-2 : 3-4	

Notes :	EPZ3011G	EPZ3011G-LF
1. Assembly Process (Solder Composition)	SnPb	Pb-Free
2. Peak Solder Rating (per IPC/JEDEC-J-STD-020C)	225°C	260°C
3. Moisture Sensitive Levels (MSL) (per IPC/JEDEC-J-STD-020C)	1 (Unlimited, 30°C/60%RH)	1 (Unlimited, 30°C/60%RH)
4. Weight	TBD grams	TBD grams
5. Packaging Information (Tube)	TBD pcs / tube	TBD pcs / tube

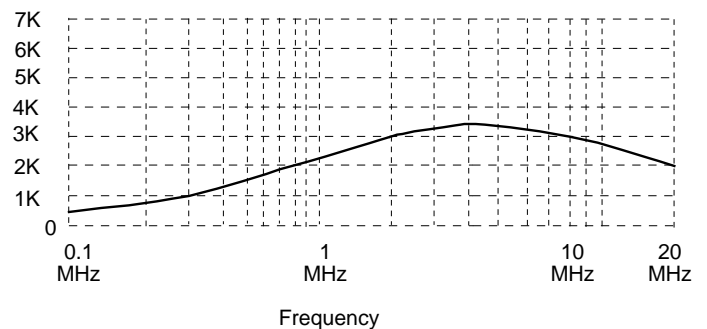
Schematic



Package



Impedance Curve



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

EPZ3012G & EPZ3012G-LF



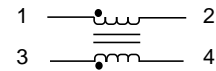
- Noise Suppression Choke
- 9.70 A Max. Rated Current
- Add "-LF" after part number for Lead Free
- 500 Vrms Isolation

Electrical Parameters @ 25° C

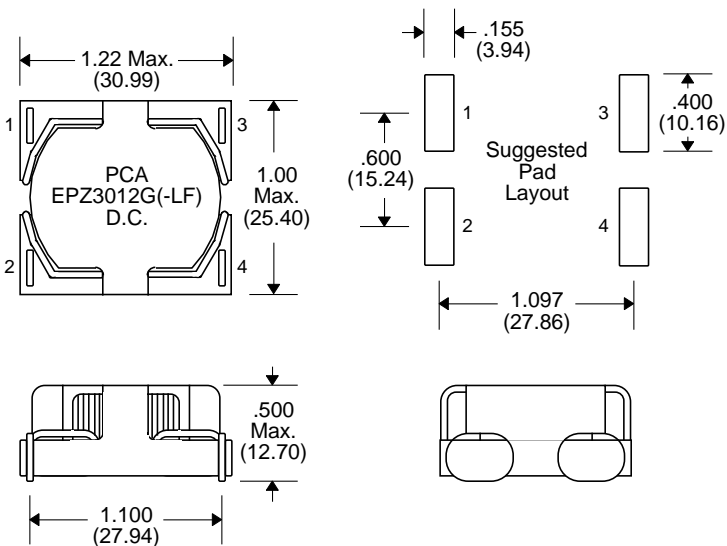
Inductance (mH ± 25%)	DCR (m Max.)	Turns Ratio	SRF (MHz Typ.)
@10 KHz, 0.1 Vrms	Matched with ± 5%		
.809	14	1 : 1	3.0
Pins 1-2, 3-4	Pins 1-2, 3-4	Pins 1-2 : 3-4	

Notes :	EPZ3012G	EPZ3012G-LF
1. Assembly Process (Solder Composition)	SnPb	Pb-Free
2. Peak Solder Rating (per IPC/JEDEC-J-STD-020C)	225°C	260°C
3. Moisture Sensitive Levels (MSL) (per IPC/JEDEC-J-STD-020C)	1 (Unlimited, 30°C/60%RH)	1 (Unlimited, 30°C/60%RH)
4. Weight	TBD grams	TBD grams
5. Packaging Information (Tube)	TBD pcs / tube	TBD pcs / tube

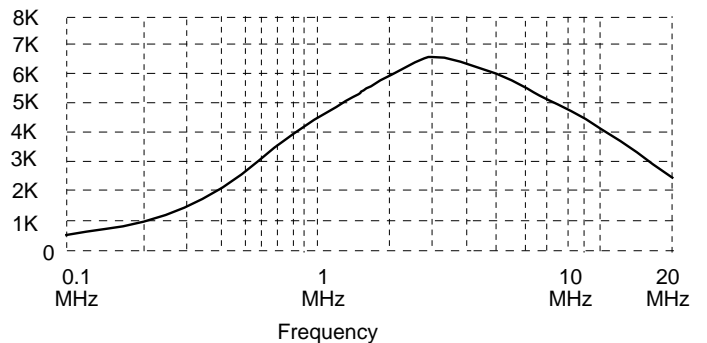
Schematic



Package



Impedance Curve



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

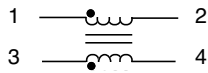


- Noise Suppression Choke
- 11.6 A Max. Rated Current
- 500 Vrms Isolation

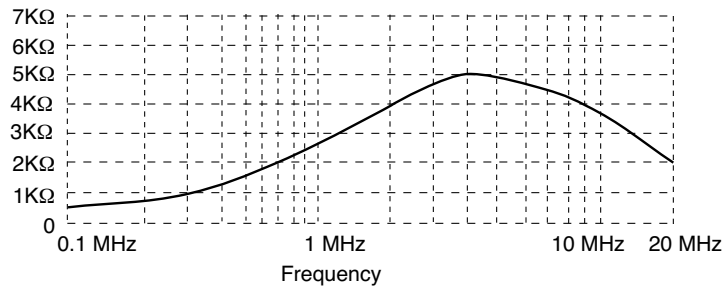
Electrical Parameters @ 25° C

Inductance (mH ± 25%)	DCR (Ω Max.)	Turns Ratio	SRF (MHz Typ.)
@10 KHz, 0.1 Vrms	Matched with $\pm 5\%$		
.630	10	1 : 1	4.0
Pins 1-2, 3-4	Pins 1-2, 3-4	Pins 1-2 : 3-4	

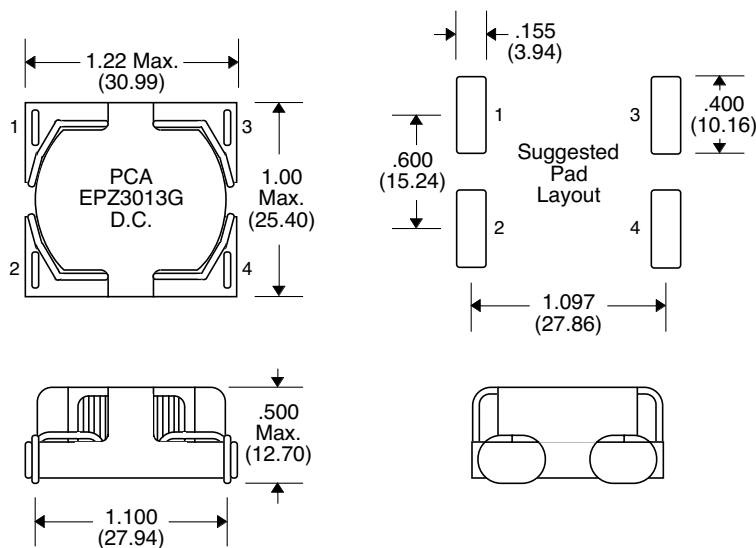
Schematic



Impedance Curve



Package



Unless Otherwise Specified Dimensions are in Inches /mm $\pm .010$ / .25

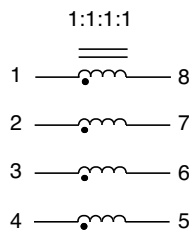
EPZ3023G

- High Frequency Chokes for EMI Reduction
- 10 A Continuous Maximum Current
- 40°C Maximum Temperature Rise

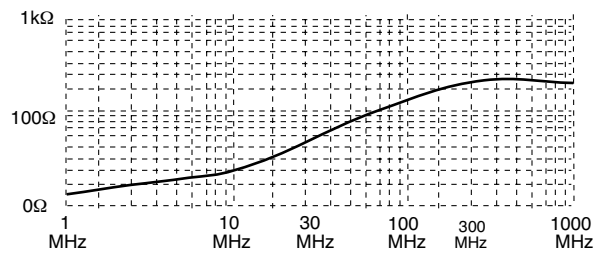
Electrical Parameters @ 25° C

Impedance (Ω Typ.)			Hipot (Vrms)	DCR (Ω Max.)
@ 100 KHz	@ 500 KHz	@ 16 Hz		
130	270	230	250	.003

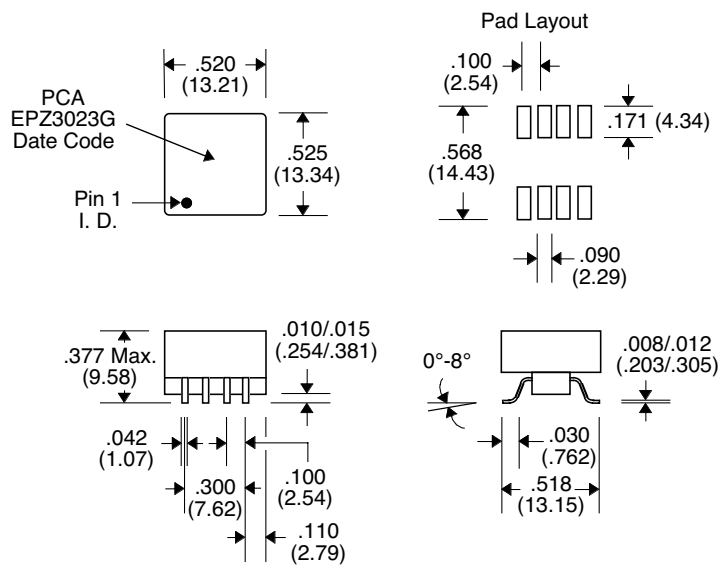
Schematic



Impedance Characteristic



Package



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

EPZ3014G & EPZ3014G-LF



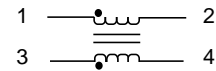
- Noise Suppression Choke
- 14.0 A Max. Rated Current
- Add "-LF" after part number for Lead Free
- 500 Vrms Isolation

Electrical Parameters @ 25° C

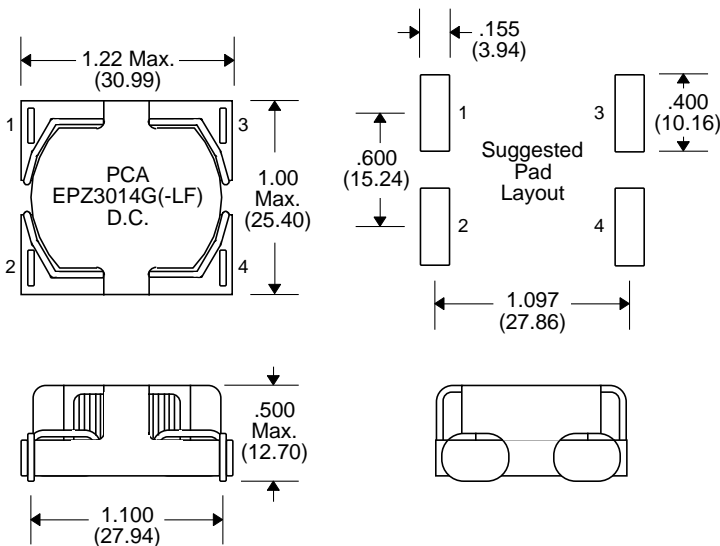
Inductance (mH ± 25%)	DCR (m Max.)	Turns Ratio	SRF (MHz Typ.)
@10 KHz, 0.1 Vrms	Matched with ± 5%		
.473	8.0	1 : 1	3.0
Pins 1-2, 3-4	Pins 1-2, 3-4	Pins 1-2 : 3-4	

Notes :	EPZ3014G	EPZ3014G-LF
1. Assembly Process (Solder Composition)	SnPb	Pb-Free
2. Peak Solder Rating (per IPC/JEDEC-J-STD-020C)	225°C	260°C
3. Moisture Sensitive Levels (MSL) (per IPC/JEDEC-J-STD-020C)	1 (Unlimited, 30°C/60%RH)	1 (Unlimited, 30°C/60%RH)
4. Weight	TBD grams	TBD grams
5. Packaging Information (Tube)	TBD pcs / tube	TBD pcs / tube

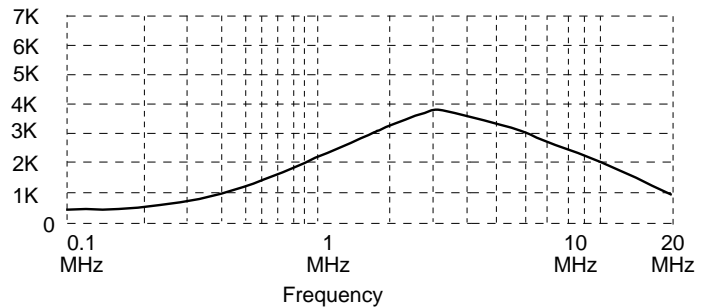
Schematic



Package



Impedance Curve



Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

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