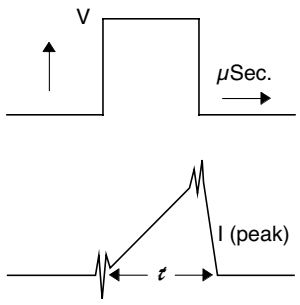
Surface Mount Power Inductor

EPI E Series



Features of the EPI "E" Series of Surface Mount Power Inductors

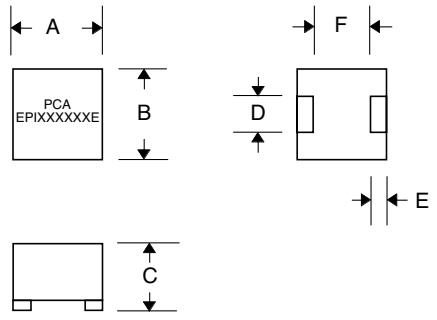
- Low loss material ensures operation in high frequency switching converters, such as Buck, Boost or as output averaging filter inductor
- Also suitable for use in high quality filter applications
- 250 KHz Switching Frequency

Primary Specification

Part Number	Inductance (μH ± 15%) @ 0 Adc	DCR (Ω Typ.)	I Saturation (Amperes)	Vt (V-μsec)	Temperature Rise Isat °C (Typ.)
EPI1L2982E	1.2 ± 20%	.004	9.8	2.0	43
EPI2L4802E	2.4 ± 20%	.005	8.0	2.7	39
EPI3L5752E	3.5 ± 20%	.006	7.5	3.4	42
EPI4L7682E	4.7 ± 20%	.009	6.8	3.7	48
EPI6L1662E	6.1	.011	6.6	4.4	52
EPI100542E	10	.014	5.4	5.6	47
EPI120492E	12	.018	4.9	6.0	49
EPI150452E	15	.020	4.5	6.6	46
EPI180392E	18	.029	3.9	7.2	49
EPI220362E	22	.033	3.6	8.0	48
EPI270342E	27	.036	3.4	9.0	47
EPI330302E	33	.048	3.0	10.0	49
EPI390272E	39	.053	2.7	11.0	45
EPI470252E	47	.075	2.5	12.0	52
EPI560242E	56	.084	2.4	13.2	53

Note :
1) Core loss at ref. Vt: 37 mW
2) Inductance change at Isat: 30% Max.

Package E



Dimensions

Dim.	(Inches) Min.	Max.	Nom.	(Millimeters) Min.	Max.	Nom.
A	---	---	.472	---	---	12.0
B	---	---	.472	---	---	12.0
C	---	.315	---	---	8.0	---
D	---	---	.197	---	---	5.0
E	---	---	.087	---	---	2.2
F	---	---	.299	---	---	7.6

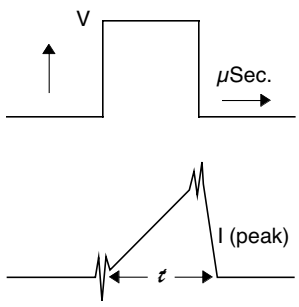
PCA ELECTRONICS, INC.
6799 SCHOENBORN ST.
NORTH HILLS, CA 91343

Product performance is limited to specific parameters. Data subject to change without prior notice.

TEL: (818) 892-0761
FAX: (818) 894-5791
http://www.pca.com

Surface Mount Power Inductor

EPI E Series



Features of the EPI "E" Series of Surface Mount Power Inductors

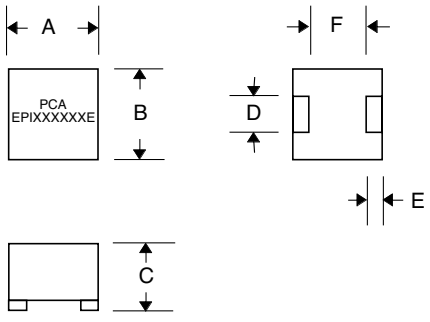
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Primary Specification

Part Number	Inductance (μH ± 15%) @ 0 Adc	DCR (Ω Typ.)	I Saturation (Amperes)	Vt (V-μsec)	Temperature Rise Isat °C (Typ.)
EPI680212E	68	.092	2.1	14.6	46
EPI820192E	82	.123	1.9	16.0	50
EPI101172E	100	.176	1.7	17.6	55
EPI121162E	120	.193	1.6	19.2	54
EPI151142E	150	.216	1.4	21.6	48
EPI181132E	180	.290	1.3	23.6	54
EPI221122E	220	0.32	1.2	25.6	51
EPI271112E	270	0.36	1.1	28.8	49
EPI331102E	330	0.49	1.0	31.6	54
EPI390901E	390	0.53	0.9	34.4	49
EPI471801E	470	0.74	0.8	37.6	53
EPI561701E	560	1.03	0.7	41.6	55
EPI681651E	680	1.13	0.65	45.2	53
EPI821601E	820	1.24	0.6	50	50
EPI102551E	1000	1.37	0.55	55.2	47

Note :
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Package E



Dimensions

Dim.	(Inches) Min.	Max.	Nom.	(Millimeters) Min.	Max.	Nom.
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