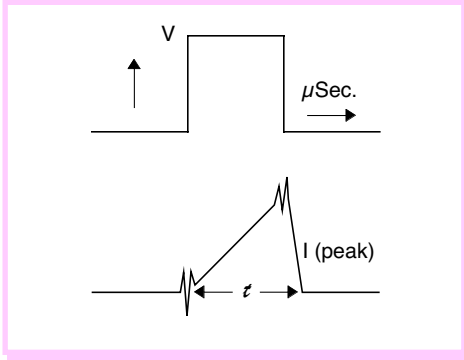


Miniature SMT Power Inductor

EPI C Series



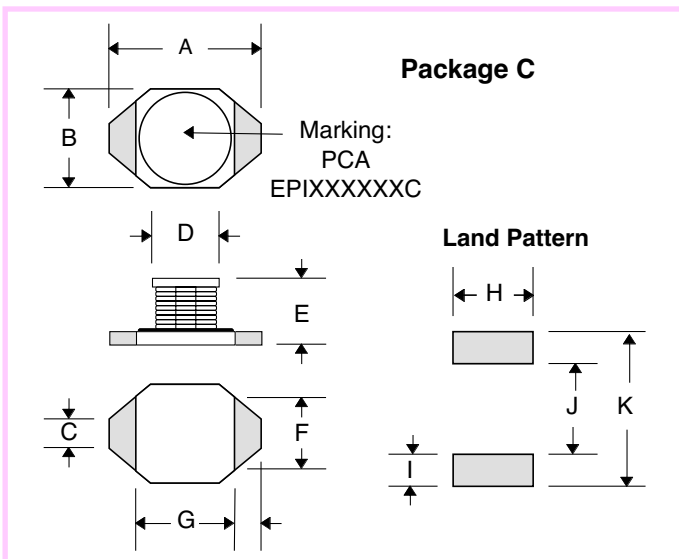
Features of the EPI "C" Series of Miniature SMT Power Inductors

- Virtually no limit on V μ Sec as long as max. RMS Current Limit and Temperature Rise Limit are not exceeded
- Low loss material ensures operation in high frequency switching converters, such as Buck, Boost or as output averaging filter inductor
- Low cost Robust construction to withstand most SMT processes
- Also suitable for use in high quality filter applications

Primary Specification

Part Number	Inductance (μ H \pm 20%) @ 0 Adc	DCR (Ω Max.)
EPI1L0292C	1.0	0.05
EPI1L5262C	1.5	0.05
EPI2L2232C	2.2	0.07
EPI3L3202C	3.3	0.08
EPI4L7152C	4.7	0.09
EPI6L8122C	6.8	0.13
EPI100112C	10	0.16
EPI150901C	15	0.23
EPI220701C	22	0.37
EPI330581C	33	0.51
EPI470504C	47	0.64
EPI680401C	68	0.86
EPI101311C	100	1.27
EPI151271C	150	2.00
EPI221221C	220	3.11
EPI331181C	330	3.80
EPI471161C	470	5.06
EPI681141C	680	9.20
EPI102101C	1000	13.8

Inductance (μ H Min.) @ I Sat.	I Saturation (mA)	I rms (mA Max.)	SRF (MHz Typ.)
0.9	2900	2900	145
1.35	2600	2800	100
1.98	2300	2400	85
2.97	2000	2000	70
4.23	1500	1500	50
6.12	1200	1400	45
9.0	1100	1100	35
13.5	900	1200	30
19.8	700	800	20
29.7	580	600	18
42.3	500	500	16
61.2	400	400	12
90	310	300	11
135	270	250	8
198	220	200	7
297	180	160	5
423	160	150	4
612	140	120	3
900	100	70	2



Dimensions

Dim.	(Inches)			(Millimeters)		
	Min.	Max.	Nom.	Min.	Max.	Nom.
A	---	.260	---	---	6.60	---
B	---	.175	---	---	4.45	---
C	---	---	.050	---	---	1.27
D	---	---	.155 ϕ	---	---	3.94 ϕ
E	---	.115	---	---	2.92	---
F	---	---	.120	---	---	3.05
G	---	---	.170	---	---	4.32
H	---	---	.140	---	---	3.56
I	---	---	.055	---	---	1.40
J	---	---	.160	---	---	4.06
K	---	---	.270	---	---	6.86

Note :

1. Temperature Rise : 15°C Typ.
2. Inductance Change at I Saturation : 10% Max.