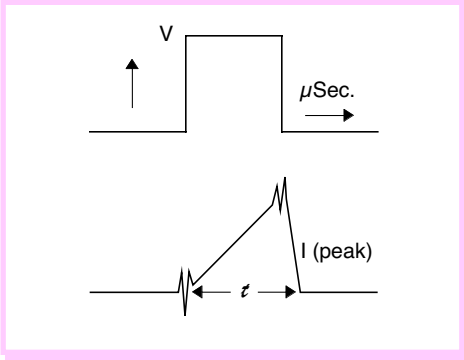


Miniature SMT Power Inductor

EPI F2220 Series



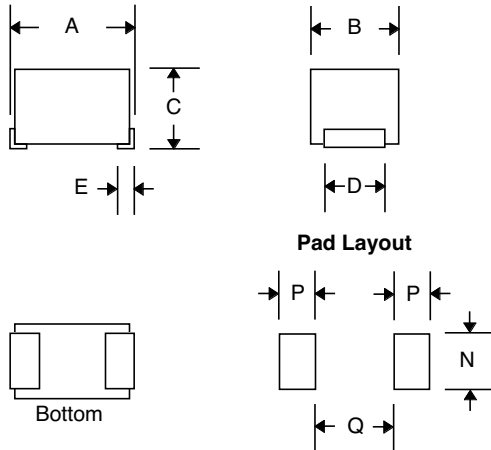
- Features of the EPI "F2220" Series of Miniature SMT Power Inductors**
- Virtually no limit on V μ Sec as long as max. RMS Current Limit and Temperature Rise Limit are not exceeded
 - Low loss material ensures operation in high frequency switching converters, such as Buck, Boost or as output averaging 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.)
EPI1L0402F2220	1.0	0.022
EPI1L5372F2220	1.5	0.027
EPI2L2322F2220	2.2	0.034
EPI3L3292F2220	3.3	0.041
EPI4L7272F2220	4.7	0.048
EPI6L8202F2220	6.8	0.090
EPI100172F2220	10	0.11
EPI150142F2220	15	0.18
EPI220122F2220	22	0.22
EPI330901F2220	33	0.36
EPI470801F2220	47	0.43
EPI680641F2220	68	0.81
EPI101561F2220	100	0.98
EPI151421F2220	150	2.1
EPI221321F2220	220	2.5
EPI331221F2220	330	4.9
EPI471241F2220	470	5.9
EPI681191F2220	680	9.9
EPI102151F2220	1000	11.2

Inductance (μ H Min.) @ I Sat.	I Saturation (mA)	I rms (mA Max.)	SRF (MHz Typ.)
0.9	4000	4000	145
1.35	3700	3700	100
1.98	3200	3200	85
2.97	2900	2900	70
4.23	2700	2700	50
6.12	2000	2000	45
9.0	1700	1700	35
13.5	1400	1400	30
19.8	1200	1200	20
29.7	900	900	18
42.3	800	800	16
61.2	640	640	12
90	560	560	11
135	420	420	8
198	320	320	7
297	270	270	5
423	240	240	4
612	190	190	3
900	150	150	2

Package F2220



Dimensions

Dim.	(Inches)			(Millimeters)		
	Min.	Max.	Nom.	Min.	Max.	Nom.
A	.212	.226	.224	5.40	6.00	5.70
B	.185	.209	.197	4.70	5.50	5.30
C	.173	.197	.185	4.40	5.00	4.70
D	.106	.130	.118	2.70	3.30	3.00
E	.051	---	---	1.30	---	---
N	---	---	.137	---	---	3.50
P	---	---	.118	---	---	3.00
Q	---	---	.078	---	---	2.00

Note :

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