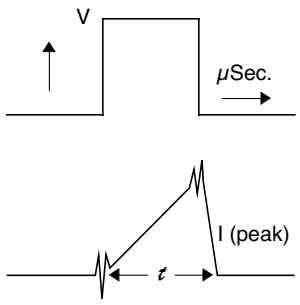
Miniature SMT Power Inductor

EPI F2523 Series



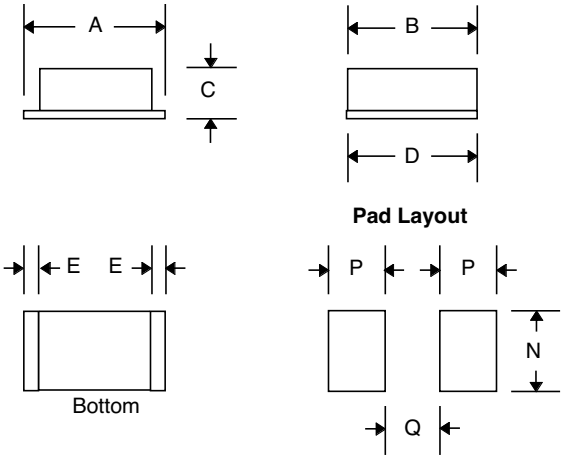
Features of the EPI "F2523" Series of Miniature SMT Power Inductors

- Virtually no limit on V μSec 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 (μH ± 20%) @ 0 Adc	DCR (Ω Max.)	Inductance (μH Min.) @ I Sat.	I Saturation (mA)	I rms (mA Max.)
EPI0L5272F2523	.47	0.058	0.33	2700	2100
EPI1L0192F2523	1.0	0.062	0.7	1900	2000
EPI1L5162F2523	1.5	0.075	1.05	1600	1800
EPI2L2132F2523	2.2	0.093	1.54	1300	1500
EPI3L3112F2523	3.3	0.10	2.31	1100	1300
EPI4L7901F2523	4.7	0.11	3.29	900	1100
EPI6L8751F2523	6.8	0.13	4.76	750	950
EPI100621F2523	10	0.14	7.00	620	800
EPI150501F2523	15	0.22	10.5	500	700
EPI220411F2523	22	0.26	15.4	410	600
EPI270371F2523	27	0.35	18.9	370	500
EPI330341F2523	33	0.38	23.1	340	450
EPI470281F2523	47	0.58	33.0	280	400

Package F2523



Dimensions

Dim.	(Inches) Min.	Max.	Nom.	(Millimeters) Min.	Max.	Nom.
A	---	.248	---	---	6.30	---
B	---	---	.228	---	---	5.80
C	---	---	.080	---	---	2.03
D	---	.228	---	---	5.80	---
E	---	---	.026	---	---	.660
F	---	.220	---	---	5.60	---
N	---	---	.138	---	---	3.50
P	---	---	.118	---	---	3.00
Q	---	---	.079	---	---	2.00

Note :
1. Temperature Rise : 40°C Typ.
2. Inductance Change at I Saturation : 30% Max.

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