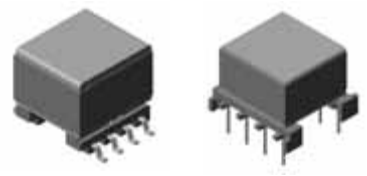
POWER

SMPS TRANSFORMERS

- The ability to re-configure during the evaluation process allows the design engineer to test several configurations to determine the best application performance based upon anticipated use conditions, efficiency expectations and output requirements
- Offers the versatility of multiple identical coils, which can be placed in series or parallel configurations to meet the specific electrical parameters in the application
- Once testing has shown the best configuration for the application, the form factor of the magnetics is known, so that PCB layout directly follows
- Built from standard off the shelf materials to be low cost solutions to general application requirements

Configurable Magnetics—EP Series



EP 7

Part #	Inductance (µH)	DC Resistance (Ω max)	Leakage Ind. (µH)	Max Current (wire)* (Amperes / winding)	Max DC Current (core) (approx. shift of 20%)
3B-1000	4.90 ±5%	0.155	0.45	0.40	7.39
3B-1001	7.84 ±5%	0.155	0.45	0.40	5.02
3B-1002	12.35 ±5%	0.155	0.45	0.40	3.35
3B-1003	19.60 ±5%	0.155	0.45	0.40	2.14
3B-1004	31.36 ±10%	0.155	0.45	0.40	1.32
3B-1005	196.00 ±25%	0.155	0.45	0.40	0.10

EP 10

Part #	Inductance (µH)	DC Resistance (Ω max)	Leakage Ind. (µH)	Max Current (wire)* (Amperes / winding)	Max DC Current (core) (approx. shift of 20%)
3C-1000	4.90 ±5%	0.075	0.45	1.01	8.29
3C-1001	7.84 ±5%	0.075	0.45	1.01	5.59
3C-1002	12.35 ±5%	0.075	0.45	1.01	3.70
3C-1003	19.60 ±5%	0.075	0.45	1.01	2.35
3C-1004	31.36 ±10%	0.075	0.45	1.01	1.43
3C-1005	181.30 ±25%	0.075	0.45	1.01	0.12

EP 13

Part #	Inductance (µH)	DC Resistance (Ω max)	Leakage Ind. (µH)	Max Current (wire)* (Amperes / winding)	Max DC Current (core) (approx. shift of 20%)
3D-1000	7.84 ±5%	0.098	0.22	0.80	9.20
3D-1001	12.35 ±5%	0.098	0.22	0.80	6.22
3D-1002	19.60 ±5%	0.098	0.22	0.80	4.04
3D-1003	31.36 ±5%	0.098	0.22	0.80	2.52
3D-1004	49.00 ±10%	0.098	0.22	0.80	1.55
3D-1005	259.70 ±25%	0.098	0.22	0.80	0.14

EP 17

Part #	Inductance (µH)	DC Resistance (Ω max)	Leakage Ind. (µH)	Max Current (wire)* (Amperes / winding)	Max DC Current (core) (approx. shift of 20%)
3E-1000	12.35 ±5%	0.061	0.33	1.60	10.26
3E-1001	19.60 ±5%	0.061	0.33	1.60	6.86
3E-1002	31.36 ±5%	0.061	0.33	1.60	4.40
3E-1003	49.00 ±5%	0.061	0.33	1.60	2.80
3E-1004	61.74 ±5%	0.061	0.33	1.60	2.18
3E-1005	392.00 ±25%	0.061	0.33	1.60	0.15

* using a current density of 200 circular mils per Amp (cm/A)