APB-S Series

Feature

- Low profile and shielded very effective in space-conscious applications.
- Low resistance and high energy storage.

Applications

- Excellent as DC-DC converter used in notebooks computers, PDA and mobile phones. Step-up or step-down converters, flash memory.

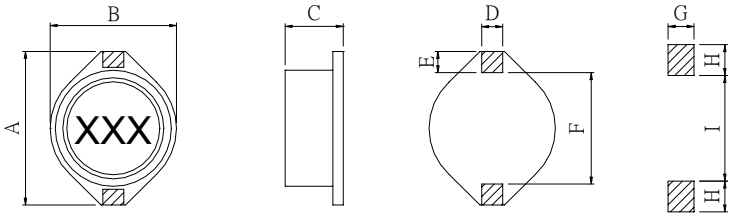
Test Equipment and Conditions

- Inductance is measured with HP-4284A LCR meter or equivalent.
- Maximum allowable DC current whIC causes 25% inductance reduction of the initial value , or coil temperature to rise by 30℃,whICever is smaller.(Reference ambient temperature 20℃)

  Inductance drops 10% typical at Isat level with temperature rise under 30℃ in accordance with Irms measurement.

  Inductance drops 15% typical at Isat level with temperature rise under 40℃ in accordance with Irms measurement.
- Operating temperature : –25℃~ +85℃.

External Dimensions (Unit: m/m)



TYPE	A	B	C	D	E	F	G	H	I	Q'TY/Reel
APB05S30	6.60Max	4.45Max	2.92Max	1.27	1.00	4.32	2.64	1.14	4.57	3000
APB09S50	12.95Max	9.40Max	5.08Max	2.54	2.54	7.62	2.79	2.92	7.37	1000
APB15S70	18.54Max	15.24Max	7.11Max	2.54	2.54	12.7	2.79	2.92	12.45	250

Part Number Code

APB	05	S	30	N	1R0
A	B	C	D	E	F

A: Series Name — Power Inductor
B: Dimensions(mm) — 05：6.6x4.45　09：12.95x9.4
C: Materials — S = Shielded
D: Thickness(mm) — 30：2.92　50：5.08
E: Tolerance — M：±20%　N：±30%
F: Inductance — 1R0=1.0uH

APB-S Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω)Max	S.R.F. Typ (MHz)	Rated DC Current (A)Max
APB05S30□-1R0	1.0	100	0.052	250	3.00
APB05S30□-1R5	1.5	100	0.059	125	2.80
APB05S30□-2R2	2.2	100	0.065	120	1.80
APB05S30□-3R3	3.3	100	0.072	120	1.60
APB05S30□-4R7	4.7	100	0.078	105	1.40
APB05S30□-6R8	6.8	100	0.085	50	1.20
APB05S30□-100	10	100	0.098	38	1.00
APB05S30□-150	15	100	0.117	33	0.80
APB05S30□-220	22	100	0.221	25	0.70
APB05S30□-330	33	100	0.247	20	0.60
APB05S30□-470	47	100	0.349	20	0.50
APB05S30□-680	68	100	0.552	15	0.40
APB05S30□-101	100	100	0.785	10	0.30
APB05S30□-151	150	100	1.180	9.0	0.26
APB05S30□-221	220	100	1.640	6.0	0.22
APB05S30□-331	330	100	2.470	5.0	0.20
APB05S30□-471	470	100	3.700	4.0	0.19
APB05S30□-681	680	100	5.700	3.0	0.18
APB05S30□-102	1000	100	10.32	2.0	0.15
APB09S50□-1R0	1.0	100	0.021	5.6	5.0
APB09S50□-1R5	1.5	100	0.022	5.2	4.5
APB09S50□-2R2	2.2	100	0.032	5.0	3.8
APB09S50□-3R3	3.3	100	0.039	3.9	3.3
APB09S50□-4R7	4.7	100	0.054	3.2	2.7
APB09S50□-6R8	6.8	100	0.075	2.8	2.2
APB09S50□-100	10	100	0.101	2.4	2.0
APB09S50□-150	15	100	0.150	2.0	1.5
APB09S50□-220	22	100	0.207	1.6	1.3
APB09S50□-330	33	100	0.334	1.4	1.1
APB09S50□-470	47	100	0.472	1.0	0.8
APB09S50□-560	56	100	0.650	0.9	0.7
APB09S50□-680	68	100	0.715	0.8	0.7
APB15S70□-100	10	100	0.040	8.0	3.9
APB15S70□-150	15	100	0.048	7.0	3.4
APB15S70□-220	22	100	0.059	6.0	3.1
APB15S70□-330	33	100	0.075	5.0	2.8
APB15S70□-470	47	100	0.097	4.0	2.4
APB15S70□-680	68	100	0.138	3.0	2.0
APB15S70□-101	100	100	0.207	2.4	1.7
APB15S70□-151	150	100	0.293	2.1	1.3
APB15S70□-221	220	100	0.470	1.9	1.1
APB15S70□-331	330	100	0.780	1.1	0.86
APB15S70□-471	470	100	1.080	1.1	0.73
APB15S70□-681	680	100	1.400	0.96	0.64
APB15S70□-102	1000	100	2.010	0.80	0.53