APB Series

Features

- Low profile very effective in space-conscious applications.
- Low resistance and high energy storage.
- Supper low resistance with high current rating.

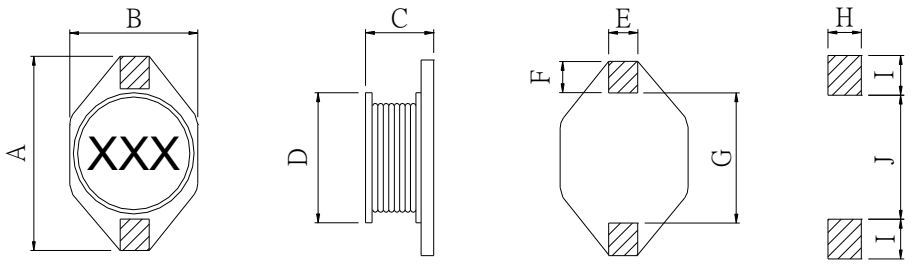
Applications

- 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.
- 1. Inductance drops 10% typical at Isat level with temperature rise under 30℃ in accordance with Irms measurement.
  2. Inductance drops 10% 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	J	Q'TY/Reel
APB05A30	6.60Max	4.45Max	2.92Max	4.00	1.27	1.00	4.32	2.64	1.14	4.570	3000
APB09A30	12.95Max	9.40Max	3.00Max	8.38	2.54	2.54	7.62	2.79	2.92	7.370	1000
APB09A50	12.95Max	9.40Max	5.21Max	8.38	2.54	2.54	7.62	2.79	2.92	7.370	1000
APB09A11	12.95Max	9.40Max	11.43Max	8.38	2.54	2.54	7.62	2.79	2.92	7.370	350
APB15A70	18.54Max	15.24Max	7.11Max	12.7	2.54	2.54	12.7	2.79	2.92	12.45	250

Part Number Code

APB	05	A	30	M	1R0
A	B	C	D	E	F

A: Series Name — Power Inductor
B: Dimensions(mm) — 05：6.60x4.45　09：12.95x9.40
C: Materials — NO use
D: Thickness(mm) — 30：2.92　50：5.21
E: Tolerance — M：±20%　N：±30%
F: Inductance — 1R0=1.0uH

APB Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance(Ω) Max.	Isat(A) Max.	Irms(A) Max.
APB05A30□-1R0	1.0	100	0.06	2.90	2.00
APB05A30□-1R5	1.5	100	0.06	2.60	1.80
APB05A30□-2R2	2.2	100	0.07	2.30	1.60
APB05A30□-3R3	3.3	100	0.08	2.00	1.40
APB05A30□-4R7	4.7	100	0.135	1.50	1.00
APB05A30□-6R8	6.8	100	0.16	1.20	0.84
APB05A30□-100	10	100	0.20	1.10	0.77
APB05A30□-150	15	100	0.31	0.90	0.63
APB05A30□-220	22	100	0.43	0.70	0.49
APB05A30□-330	33	100	0.51	0.58	0.40
APB05A30□-470	47	100	0.84	0.50	0.35
APB05A30□-680	68	100	1.22	0.40	0.28
APB05A30□-101	100	100	1.77	0.31	0.21
APB05A30□-151	150	100	2.40	0.27	0.18
APB05A30□-221	220	100	3.76	0.22	0.15
APB05A30□-331	330	100	5.71	0.18	0.13
APB05A30□-471	470	100	7.80	0.16	0.11
APB05A30□-681	680	100	11.23	0.14	0.10
APB05A30□-102	1000	100	19.50	0.10	0.07
APB09A30□-100	10	100	0.090	2.40	2.00
APB09A30□-150	15	100	0.120	2.00	1.50
APB09A30□-220	22	100	0.190	1.60	1.30
APB09A30□-330	33	100	0.250	1.40	1.10
APB09A30□-470	47	100	0.320	1.00	0.80
APB09A30□-560	56	100	0.300	0.95	0.75
APB09A30□-680	68	100	0.550	0.90	0.70
APB09A30□-101	100	100	0.700	0.70	0.60
APB09A30□-151	150	100	1.000	0.60	0.50
APB09A30□-221	220	100	1.600	0.50	0.40
APB09A30□-331	330	100	2.200	0.40	0.30
APB09A30□-471	470	100	3.300	0.30	0.20
APB09A30□-681	680	100	4.400	0.20	0.10
APB09A30□-102	1000	100	7.000	0.10	0.05
APB09A50□-1R0	1.0	100	0.009	9.00	6.80
APB09A50□-1R5	1.5	100	0.010	8.00	6.40
APB09A50□-2R2	2.2	100	0.012	7.00	6.10
APB09A50□-3R3	3.3	100	0.015	6.40	5.40
APB09A50□-4R7	4.7	100	0.018	5.40	4.80
APB09A50□-6R8	6.8	100	0.027	4.60	4.40
APB09A50□-100	10	100	0.038	3.80	3.90
APB09A50□-150	15	100	0.049	3.00	3.10
APB09A50□-220	22	100	0.085	2.60	2.70

APB Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance(Ω) Max.	Isat(A) Max.	Irms(A) Max.
APB09A50□-330	33	100	0.100	2.00	2.10
APB09A50□-470	47	100	0.140	1.60	1.80
APB09A50□-560	56	100	0.162	1.50	1.70
APB09A50□-680	68	100	0.200	1.40	1.50
APB09A50□-101	100	100	0.280	1.20	1.30
APB09A50□-151	150	100	0.400	1.00	1.00
APB09A50□-221	220	100	0.610	0.80	0.80
APB09A50□-331	330	100	1.020	0.60	0.60
APB09A50□-471	470	100	1.270	0.50	0.50
APB09A50□-681	680	100	2.020	0.40	0.40
APB09A50□-102	1000	100	3.000	0.30	0.30
APB09A11□-1R0	1.0	100	0.010	11.60	6.80
APB09A11□-1R5	1.5	100	0.010	11.00	6.60
APB09A11□-2R2	2.2	100	0.013	10.50	6.10
APB09A11□-2R7	2.7	100	0.014	10.00	5.60
APB09A11□-6R8	6.8	100	0.024	9.50	6.10
APB09A11□-100	10	100	0.033	8.00	3.50
APB09A11□-150	15	100	0.042	7.00	3.00
APB09A11□-220	22	100	0.054	5.50	2.50
APB09A11□-330	33	100	0.080	4.00	2.00
APB09A11□-470	47	100	0.100	3.80	1.60
APB09A11□-680	68	100	0.170	3.00	1.20
APB09A11□-101	100	100	0.220	2.50	1.20
APB09A11□-151	150	100	0.340	2.00	0.90
APB09A11□-221	220	100	0.440	1.60	0.70
APB09A11□-331	330	100	0.700	1.20	0.60
APB09A11□-471	470	100	0.950	1.00	0.30
APB09A11□-681	680	100	1.200	1.00	0.20
APB09A11□-102	1000	100	2.000	0.80	0.10
APB15A70□-1R0	1.0	100	0.009	20	8.60
APB15A70□-2R2	2.2	100	0.014	16	7.10
APB15A70□-3R3	3.3	100	0.018	14	6.20
APB15A70□-5R6	5.6	100	0.020	12	5.30
APB15A70□-100	10	100	0.031	10	4.30
APB15A70□-150	15	100	0.036	8.0	4.00
APB15A70□-220	22	100	0.047	7.0	3.50
APB15A70□-330	33	100	0.066	5.5	3.00
APB15A70□-470	47	100	0.086	4.5	2.60
APB15A70□-680	68	100	0.130	3.5	2.30
APB15A70□-101	100	100	0.190	3.0	1.80
APB15A70□-151	150	100	0.250	2.6	1.50
APB15A70□-221	220	100	0.380	2.4	1.20
APB15A70□-331	330	100	0.560	1.9	1.00
APB15A70□-471	470	100	0.850	1.4	0.82
APB15A70□-681	680	100	1.100	1.2	0.72
APB15A70□-102	1000	100	1.800	1.0	0.56

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