

### APE Series

#### Features

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

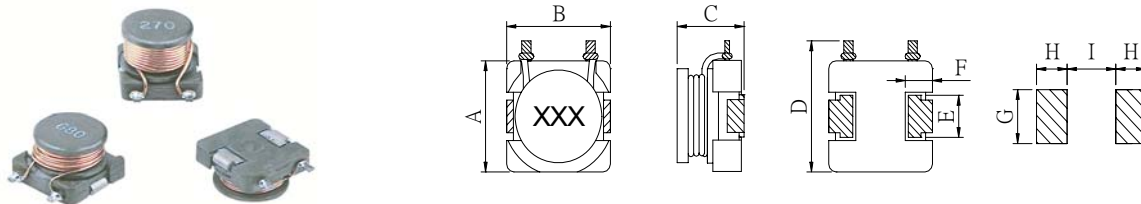
#### Applications

- 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.
- Maximum allowable DC current whIC causes 10% inductance reduction of the initial value ,or coil
- temperature to rise by 40°C,whICever is smaller.(Reference ambient temperature 20°C) .
- Operating temperature : -25°C~ +85°C.

#### External Dimensions (Unit: m/m)



TYPE	A	B	C	D	E	F	G	H	I	Q'TY/Reel
APE11A65	11.3±0.3	11.3±0.3	6.5±0.5	13.4±0.5	4.0	3.0	4.5	3.3	5.2	500
APE11A78	11.3±0.3	11.3±0.3	7.8±0.5	13.4±0.5	4.0	3.0	4.5	3.3	5.2	500
APE11A95	11.3±0.3	11.3±0.3	9.5±0.5	13.4±0.5	4.0	3.0	4.5	3.3	5.2	500

#### Part Number Code

APE    11    A    65    M    100  
 A        B        C        D        E        F

A: Type of product                      Power Inductor  
 B: Dimensions(mm)                      11: 11x11  
 C: Materials                                NO use  
 D: Thickness(mm)                        65: 6.5    78: 7.8  
 E: Tolerance                                M: ±20%    N: ±30%  
 F: Inductance                                100=10uH

### APE Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω)Max.	Isat (A)Max.	Irms (A)Max.
APE11A65□-100	10	100	0.068	4.20	3.20
APE11A65□-120	12	100	0.070	4.00	3.00
APE11A65□-150	15	100	0.093	3.50	2.70
APE11A65□-180	18	100	0.098	3.40	2.50
APE11A65□-220	22	100	0.128	3.00	2.20
APE11A65□-270	27	100	0.148	2.80	2.00
APE11A65□-330	33	100	0.176	2.40	1.80
APE11A65□-390	39	100	0.232	2.10	1.70
APE11A65□-470	47	100	0.252	2.00	1.60
APE11A65□-560	56	100	0.276	1.90	1.50
APE11A65□-680	68	100	0.351	1.70	1.40
APE11A65□-820	82	100	0.395	1.50	1.30
APE11A65□-101	100	100	0.468	1.40	1.10
APE11A65□-121	120	100	0.568	1.30	1.00
APE11A65□-151	150	100	0.685	1.20	0.90
APE11A65□-181	180	100	0.824	1.10	0.85
APE11A65□-221	220	100	1.00	1.00	0.75
APE11A65□-271	270	100	1.23	0.90	0.70
APE11A65□-331	330	100	1.50	0.80	0.65
APE11A65□-391	390	100	1.71	0.70	0.60
APE11A65□-471	470	100	1.93	0.65	0.55
APE11A65□-561	560	100	2.35	0.60	0.50
APE11A65□-681	680	100	2.93	0.55	0.45
APE11A65□-821	820	100	3.34	0.50	0.40
APE11A65□-102	1000	100	4.15	0.45	0.36
APE11A65□-122	1200	100	4.98	0.40	0.32
APE11A78□-100	10	100	0.06	5.50	5.00
APE11A78□-120	12	100	0.07	5.20	4.60
APE11A78□-150	15	100	0.08	4.70	4.20
APE11A78□-180	18	100	0.09	4.30	3.80
APE11A78□-220	22	100	0.10	4.10	3.60
APE11A78□-270	27	100	0.11	3.80	3.30
APE11A78□-330	33	100	0.12	3.50	2.90
APE11A78□-390	39	100	0.14	3.00	2.50
APE11A78□-470	47	100	0.17	2.70	2.20
APE11A78□-680	68	100	0.22	2.50	2.00
APE11A78□-820	82	100	0.25	2.30	1.75
APE11A78□-101	100	100	0.35	2.20	1.64
APE11A78□-121	120	100	0.400	1.85	1.34
APE11A78□-151	150	100	0.470	1.66	1.16
APE11A78□-181	180	100	0.630	1.56	1.05
APE11A78□-221	220	100	0.730	1.48	1.00

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Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω)Max.	Isat (A)Max.	Irms (A)Max.
APE11A78□-271	270	100	0.970	1.40	0.92
APE11A78□-331	330	100	1.150	1.25	0.84
APE11A78□-391	390	100	1.300	1.13	0.77
APE11A78□-471	470	100	1.480	0.95	0.69
APE11A78□-561	560	100	1.900	0.90	0.62
APE11A78□-681	680	100	2.450	0.85	0.55
APE11A78□-821	820	100	2.550	0.75	0.51
APE11A78□-102	1000	100	3.000	0.65	0.47
APE11A78□-122	1200	100	3.500	0.55	0.41
APE11A95□-100	10	100	0.060	6.00	5.50
APE11A95□-120	12	100	0.070	5.50	4.80
APE11A95□-150	15	100	0.080	5.00	4.30
APE11A95□-180	18	100	0.090	4.50	4.10
APE11A95□-220	22	100	0.100	4.20	3.90
APE11A95□-270	27	100	0.110	4.00	3.50
APE11A95□-330	33	100	0.150	3.80	3.20
APE11A95□-390	39	100	0.180	3.30	2.80
APE11A95□-470	47	100	0.202	2.80	2.60
APE11A95□-560	56	100	0.216	2.70	2.40
APE11A95□-680	68	100	0.239	2.60	2.20
APE11A95□-820	82	100	0.286	2.40	2.00
APE11A95□-101	100	100	0.360	2.30	1.80
APE11A95□-121	120	100	0.450	1.90	1.50
APE11A95□-151	150	100	0.570	1.70	1.20
APE11A95□-181	180	100	0.650	1.60	1.10
APE11A95□-221	220	100	0.810	1.50	1.05
APE11A95□-271	270	100	0.990	1.46	0.95
APE11A95□-331	330	100	1.150	1.30	0.85
APE11A95□-391	390	100	1.350	1.20	0.80
APE11A95□-471	470	10	1.840	1.00	0.75
APE11A95□-561	560	10	2.240	0.96	0.70
APE11A95□-681	680	10	2.470	0.90	0.65
APE11A95□-821	820	10	3.000	0.80	0.60
APE11A95□-102	1000	10	3.340	0.70	0.52