FEATURES

- Magnetically shielded construction.
- Compact and thin.
- Mn-Zn material core.
- Available in various sizes.
- 100% lead (Pb) free meet RoHS standard.
- Operating Temp.: －40℃ ~ ＋85℃

APPLICATIONS

- Notebook, VGA card, DC/DC converter, PDA.

PART NUMBERING

APO	3316	-	220	M	□□
① Series Name	② External Dimensions		③ Nominal Inductance	④ Inductance Tolerance	⑤ Design Code

①Series Name	
APO	SMD Power Inductors

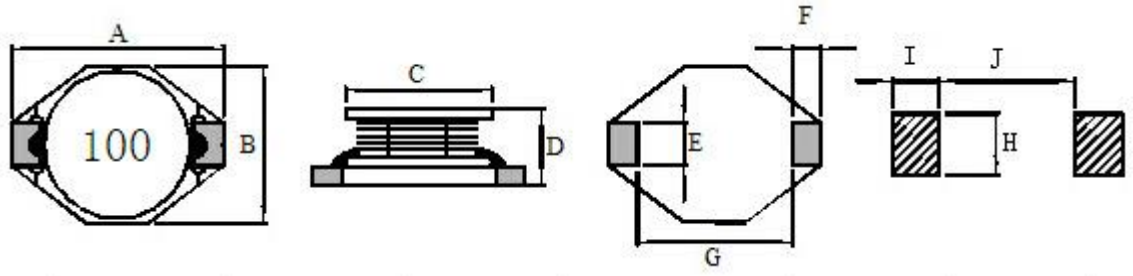
④Inductance Tolerance	
J	±5%
K	±10%
M	±20%
N	±30%

③Nominal Inductance	
Code (example)	Nominal Inductance［μH］
100	10
220	22
101	100

⑤Design Code	
□□	Standard product is blank

②External Dimensions	
3308	12.95x9.4x3.0
3316	12.95x9.4x5.21
3340	12.95x9.4x11.43
5022	18.54x15.24x7.11

DIMENSIONS & RECOMMENDED LAND PATTERN



Recommended Land Pattern
Unit In mm

Series	A	B	C	D	E	F	G	H	I	J
	Max.	Max.	±0.3	Max.	Typ.	Typ.	Typ.			
APO3308	12.95	9.4	8.38	3	2.54	2.54	7.62	2.79	3.04	7.37
APO3316	12.95	9.4	8.38	5.21	2.54	2.54	7.62	2.79	3.04	7.37
APO3340	12.95	9.4	8.38	11.43	2.54	2.54	7.62	2.79	3.04	7.37
APO5022	18.54	15.24	12.7	7.11	2.54	2.54	12.7	2.79	3.3	12.45

ELECTRICAL CHARACTERISTICS

APO3308 Series

Part Number	Inductance (μH)	Test Freq. (Hz)	DCR (mΩ) Max.	IDC (A) Max.
APO3308-100☐	10	1KHZ/0.25V	110	2.4
APO3308-150☐	15	1KHZ/0.25V	150	2
APO3308-220☐	22	1KHZ/0.25V	230	1.6
APO3308-330☐	33	1KHZ/0.25V	300	1.4
APO3308-470☐	47	1KHZ/0.25V	390	1
APO3308-680☐	68	1KHZ/0.25V	660	0.9
APO3308-101☐	100	1KHZ/0.25V	840	0.7
APO3308-151☐	150	1KHZ/0.25V	1200	0.6
APO3308-221☐	220	1KHZ/0.25V	1900	0.5
APO3308-331☐	330	1KHZ/0.25V	2700	0.4
APO3308-471☐	470	1KHZ/0.25V	4000	0.3
APO3308-681☐	680	1KHZ/0.25V	5300	0.2
APO3308-102☐	1000	1KHZ/0.25V	8400	0.1

APO3316 Series

Part Number	Inductance (μH)	Test Freq. (Hz)	DCR (mΩ) Max.	IDC (A) Max.
APO3316-1R0☐	1	100KHZ/0.25V	8	6.3
APO3316-1R5☐	1.5	100KHZ/0.25V	9	5.7
APO3316-2R2☐	2.2	100KHZ/0.25V	12	5
APO3316-3R3☐	3.3	100KHZ/0.25V	18	4.3
APO3316-3R9☐	3.9	100KHZ/0.25V	20	4
APO3316-4R7☐	4.7	100KHZ/0.25V	21	3.78
APO3316-5R6☐	5.6	100KHZ/0.25V	25	3.7
APO3316-6R8☐	6.8	100KHZ/0.25V	29	3.5
APO3316-8R2☐	8.2	100KHZ/0.25V	31	3.4
APO3316-100☐	10	1KHZ/0.25V	36	3.06
APO3316-150☐	15	1KHZ/0.25V	56	2.8
APO3316-220☐	22	1KHZ/0.25V	75	2.25
APO3316-270☐	27	1KHZ/0.25V	91	1.98
APO3316-330☐	33	1KHZ/0.25V	111	1.8
APO3316-390☐	39	1KHZ/0.25V	121	1.71
APO3316-470☐	47	1KHZ/0.25V	156	1.62
APO3316-560☐	56	1KHZ/0.25V	178	1.5
APO3316-680☐	68	1KHZ/0.25V	208	1.33
APO3316-820☐	82	1KHZ/0.25V	260	1.21
APO3316-101☐	100	1KHZ/0.25V	317	1.08
APO3316-151☐	150	1KHZ/0.25V	471	0.9
APO3316-181☐	180	1KHZ/0.25V	533	0.79
APO3316-221☐	220	1KHZ/0.25V	663	0.72
APO3316-331☐	330	1KHZ/0.25V	1030	0.6

ELECTRICAL CHARACTERISTICS

APO3340 Series

Part Number	Inductance (μH)	Test Freq. (Hz)	DCR (mΩ) Max.	IDC (A) Max.
APO3340-1R0☐	1	100KHZ/0.25V	9	9.8
APO3340-1R5☐	1.5	100KHZ/0.25V	12	8.5
APO3340-2R2☐	2.2	100KHZ/0.25V	13	8
APO3340-3R3☐	3.3	100KHZ/0.25V	14	7
APO3340-3R9☐	3.9	100KHZ/0.25V	15	6.8
APO3340-4R7☐	4.7	100KHZ/0.25V	16	6.5
APO3340-5R6☐	5.6	100KHZ/0.25V	16	6.2
APO3340-6R8☐	6.8	100KHZ/0.25V	17	6
APO3340-8R2☐	8.2	100KHZ/0.25V	22	5.2
APO3340-100☐	10	1KHZ/0.25V	30	4.1
APO3340-150☐	15	1KHZ/0.25V	36	3.8
APO3340-220☐	22	1KHZ/0.25V	52	3
APO3340-270☐	27	1KHZ/0.25V	63	2.7
APO3340-330☐	33	1KHZ/0.25V	70	2.5
APO3340-390☐	39	1KHZ/0.25V	82	2.3
APO3340-470☐	47	1KHZ/0.25V	99	2
APO3340-560☐	56	1KHZ/0.25V	122	1.8
APO3340-680☐	68	1KHZ/0.25V	144	1.7
APO3340-820☐	82	1KHZ/0.25V	166	1.6
APO3340-101☐	100	1KHZ/0.25V	182	1.3
APO3340-151☐	150	1KHZ/0.25V	334	1.1
APO3340-181☐	180	1KHZ/0.25V	388	1
APO3340-221☐	220	1KHZ/0.25V	436	1
APO3340-331☐	330	1KHZ/0.25V	689	0.76

APO5022 Series

Part Number	Inductance (μH)	Test Freq. (Hz)	DCR (mΩ) Max.	IDC (A) Max.
APO5022-1R0☐	1	100KHZ/0.25V	9	20
APO5022-2R2☐	2.2	100KHZ/0.25V	14	16
APO5022-3R3☐	3.3	100KHZ/0.25V	15	14
APO5022-5R6☐	5.6	100KHZ/0.25V	20	12
APO5022-100☐	10	100KHZ/0.25V	31	10
APO5022-150☐	15	100KHZ/0.25V	36	8
APO5022-220☐	22	100KHZ/0.25V	47	7
APO5022-330☐	33	100KHZ/0.25V	66	5.5
APO5022-470☐	47	100KHZ/0.25V	86	4.5
APO5022-680☐	68	1KHZ/0.25V	130	3.5
APO5022-101☐	100	1KHZ/0.25V	190	3
APO5022-151☐	150	1KHZ/0.25V	250	2.6
APO5022-221☐	220	1KHZ/0.25V	380	2.4
APO5022-331☐	330	1KHZ/0.25V	560	1.9
APO5022-471☐	470	1KHZ/0.25V	850	1.4
APO5022-681☐	680	1KHZ/0.25V	1100	1.2
APO5022-102☐	1000	1KHZ/0.25V	1800	1

- Inductance drop=10% typ. at IDC..

Note:
This series product is not applies in automotive or related products. Otherwise, we will shall not bear than the resulting all the problems of quality and responsibility.

Please be sure to request approval specifications that provide further details of the products. Kindly not that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without APV approval.