



WE-HCA Series — High Current Flat Wire SMD Inductors



Features: • Flat wire coil for low loss at high frequency • Low stray field • Extremely low profile design • Extremely low core loss allows design optimization for high ripple currents • Current capability up to 65A • Operating temperature: -40°C - 155°C • Recommended solder profile: Reflow • Inductance Tolerance: ±20% **Applications:** • Graphic cards • Laptops • Industrial computers • Motherboards • High current switching regulators • High temperature electronics • Polyphase switching regulators

Dimensions in mm

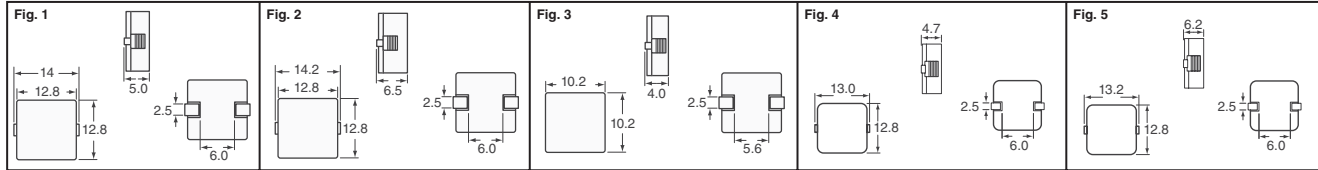


Fig.	Inductance (µH)	DCR Max. (mΩ)	Rated Current (A)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel		Würth Part No.
					1	25	100	Qty.	Pricing	
1	0.19	0.72	29	732-1112-1-ND	4.35	3.63	3.09	400	798.18	744355019
	0.47	1.30	26	732-1114-1-ND	4.35	3.63	3.09	—	—	744355047
	0.90	1.90	24	732-1115-1-ND	4.35	3.63	3.09	—	—	744355090
	1.40	2.80	22	732-1116-1-ND	4.35	3.63	3.09	—	—	7443550140
	2.30	4.50	17.5	732-1117-1-ND	4.35	3.63	3.09	—	—	7443550230
2	4.80	12.00	11	732-1119-1-ND	4.35	3.63	3.09	400	798.18	7443550480
	6.00	15.00	9.5	732-1120-1-ND	4.35	3.63	3.09	—	—	7443550600
	0.20	0.43	32	732-1121-1-ND	4.41	3.69	3.14	—	—	744355122
	0.47	0.80	30	732-1122-1-ND	4.41	3.69	3.14	400	810.28	744355147
	1.30	2.00	25	732-1124-1-ND	4.41	3.69	3.14	400	810.28	7443551130
	2.00	3.00	23	732-1125-1-ND	4.41	3.69	3.14	400	810.28	7443551200
	3.70	5.30	17	732-1127-1-ND	4.41	3.69	3.14	400	810.28	7443551370
	4.70	7.70	13	732-1128-1-ND	4.41	3.69	3.14	400	810.28	7443551470
	6.00	9.00	12	732-1129-1-ND	4.41	3.69	3.14	400	810.28	7443551600

Fig.	Inductance (µH)	DCR Max. (mΩ)	Rated Current (A)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel		Würth Part No.
					1	25	100	Qty.	Pricing	
2	7.30	6.40	13	732-1137-1-ND	4.41	3.69	3.14	400	810.28	7443551730
	9.20	8.40	12	732-1138-1-ND	4.41	3.69	3.14	400	810.28	7443551920
	11.30	10.00	11	732-1139-1-ND	4.41	3.69	3.14	400	810.28	7443551111
	13.00	12.50	10	732-1140-1-ND	4.41	3.69	3.14	400	810.28	7443551131
	15.40	16.00	9	732-1141-1-ND	4.41	3.69	3.14	400	810.28	7443551151
3	0.15	0.72	25	732-1142-1-ND†	4.01	3.35	2.84	—	—	744355215
	0.30	1.30	22	732-1130-1-ND	4.01	3.35	2.84	—	—	744355230
	0.56	1.80	20	732-1131-1-ND	4.01	3.35	2.84	800	1282.98	744355256
	1.00	3.80	16	732-1132-1-ND	4.01	3.35	2.84	800	1282.98	7443552100
	1.50	5.70	14	732-1133-1-ND	4.01	3.35	2.84	800	1282.98	7443552150
4	4.30	17.00	8	732-1136-1-ND	4.01	3.35	2.84	800	1282.98	7443552430
	8.20	11.60	10	732-2184-1-ND	3.19	2.66	2.26	400	584.61	7443550820
5	22.00	24.70	6	732-2183-1-ND	3.33	2.78	2.36	400	609.84	7443551221

† For Tape and Reel part number, change 1-ND to 2-ND. ‡ ±30% Tolerance
732-1921-ND (744355) WE-HC/HCA Series Kit (See Digi-Key website for contents of kit) **93.56**
732-1922-ND (744356) WE-HC/HCA Series Kit (See Digi-Key website for contents of kit) **109.15**

WE-HC Series — High Current Flat Wire SMD Inductors



Features: • Flat wire coil for low loss at high frequency • Low stray field • Extremely low profile design • Extremely low core loss allows design optimization for high ripple currents • Current capability up to 40A • Operating temperature: -40°C - 155°C • Recommended solder profile: Reflow • Inductance Tolerance: ±20% **Applications:** • Graphic cards • Laptops • Industrial computers • Motherboards • High current switching regulators • High temperature electronics • Polyphase - switching regulators

Dimensions in mm

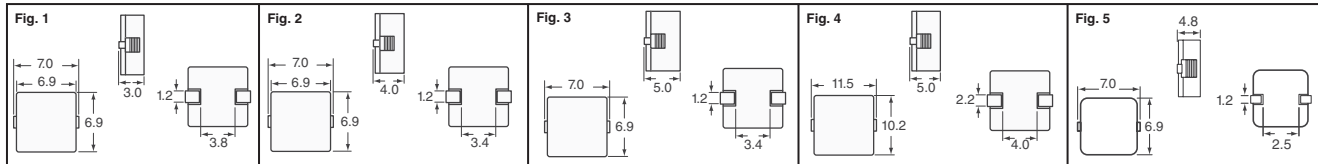


Fig.	Inductance (µH)	DCR Max. (mΩ)	Rated Current (A)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel		Würth Part No.
					1	25	100	Qty.	Pricing	
1	0.13	.91	22	732-1143-1-ND	3.92	3.26	2.78	—	—	744310013
	0.24	1.6	18	732-1144-1-ND	3.92	3.26	2.78	1,500	1303.35/M	744310024
	0.52	3.7	14	732-1145-1-ND	3.92	3.26	2.78	1,500	1303.35/M	744310055
	0.95	6.2	11	732-1146-1-ND	3.92	3.26	2.78	1,500	1303.35/M	744310095
	1.15	8.6	8.5	732-1147-1-ND	3.92	3.26	2.78	1,500	1303.35/M	744310115
2	2	14.2	6.5	732-1148-1-ND	3.92	3.26	2.78	—	—	744310200
	0.68	3.1	17	732-1149-1-ND	3.98	3.33	2.83	1,000	1329.75	744311068
	1.5	7.8	11	732-1150-1-ND	3.98	3.33	2.83	1,000	1329.75	744311150
	2.2	11.4	9	732-1151-1-ND	3.98	3.33	2.83	1,000	1329.75	744311220
	3.3	17.2	6.5	732-1152-1-ND	3.98	3.33	2.83	1,000	1329.75	744311330
3	4.7	19.5	6	732-1153-1-ND	3.98	3.33	2.83	1,000	1329.75	744311470
	0.24	1.15	20	732-1154-1-ND	4.04	3.38	2.87	—	—	744314024
	0.47	2.00	18	732-1155-1-ND	4.04	3.38	2.87	1,000	1348.90	744314047
	0.76	2.90	15.5	732-1156-1-ND	4.04	3.38	2.87	—	—	744314076
	1.10	3.80	15	732-1157-1-ND	4.04	3.38	2.87	1,000	1348.90	744314110
1.50	5.20	13	732-1158-1-ND	4.04	3.38	2.87	1,000	1348.90	744314150	

Fig.	Inductance (µH)	DCR Max. (mΩ)	Rated Current (A)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel		Würth Part No.
					1	25	100	Qty.	Pricing	
3	2.00	7.00	11.5	732-1159-1-ND	4.04	3.38	2.87	1,000	1348.90	744314200
	3.30	11.6	9	732-1160-1-ND	4.04	3.38	2.87	1,000	1348.90	744314330
	4.90	17.00	6.5	732-1161-1-ND	4.04	3.38	2.87	1,000	1348.90	744314490
	6.5	25.00	6	732-1162-1-ND	4.04	3.38	2.87	1,000	1348.90	744314650
	4	0.40	0.77	24	732-1164-1-ND	4.37	3.65	3.10	700	1274.76
0.72		1.65	22	732-1165-1-ND	4.37	3.65	3.10	700	1274.76	744325072
1.20		2.00	20	732-1166-1-ND	4.37	3.65	3.10	700	1274.76	744325120
1.80		4.00	16	732-1167-1-ND	4.37	3.65	3.10	—	—	744325180
2.40		5.00	14	732-1168-1-ND	4.37	3.65	3.10	700	1274.76	744325240
5	3.30	6.00	12	732-1169-1-ND	4.37	3.65	3.10	—	—	744325330
	4.20	8.00	11	732-1170-1-ND	4.37	3.65	3.10	700	1274.76	744325420
	5.50	14.00	10	732-1171-1-ND	4.37	3.65	3.10	700	1274.76	744325550
	7.60	30.20	4.2	732-2181-1-ND	2.70	2.26	1.92	1,000	900.90	744314760
	8.50	32.50	4.0	732-2182-1-ND	2.70	2.26	1.92	1,000	900.90	744314850
10.00	33.00	3.5	732-2180-1-ND	2.49	2.08	1.77	1,000	831.60	744314101	

† For Tape and Reel part number, change 1-ND to 2-ND.

Kit

732-1923-ND (744721) Kit Chokes for EXAR (See Digi-Key website for contents of kit) - **RoHS Compliant** **88.36**

Trilogy of Magnetics — 4th Edition The Design Guide

The design guide for EMI Filter Design and SMPS and RF Design Circuit is completely revised, newly structured, and covers a multitude of new components and applications. The design guide is divided into the following chapters: Basic Principles, Components, and Applications. A keyword index, as well as a formula, complete the book. The objective of the design guide, "Trilogy of Magnetics", is to practically familiarize customers and users with the characteristics and applications of inductive components. The design guide was published 8 years ago for the first time and is now a standard work for lots of development departments and universities. In the 4th edition, the explanation of old techniques and components has been set aside to have more room for new components and applications. Notably, a multitude of external authors from our customer base and our well known manufactures passed on their experiences and solutions in the Basic Principles and Applications section.

732-2511-ND (744006) **49.90**

Digi-Reel Most SMT cutdown parts are available on a Digi-Reel. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key Services on page 2 for additional information.

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