



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

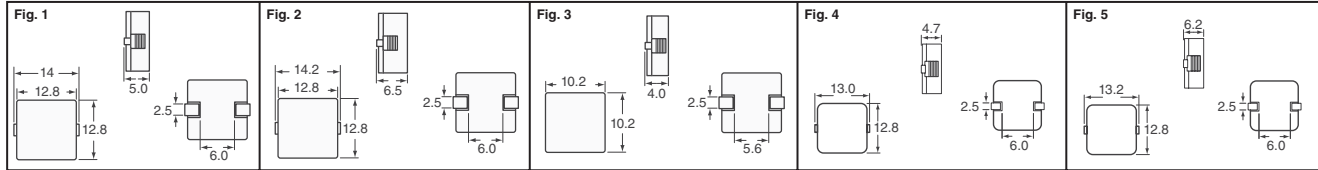


Fig.	Inductance (µH)	DCR Max. (mΩ)	Rated Current (A)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel†		Würth Part No.
					1	25	100	Qty.	Pricing	
1	0.19	0.72	29	732-1112-1-ND	6.48	5.40	4.59	400	1187.79	744355019
	0.47	1.30	26	732-1114-1-ND	6.48	5.40	4.59	—	—	744355047
	0.90	1.90	24	732-1115-1-ND	6.48	5.40	4.59	—	—	744355090
	1.40	2.80	22	732-1116-1-ND	6.48	5.40	4.59	—	—	7443550140
	2.30	4.50	17.5	732-1117-1-ND	6.48	5.40	4.59	—	—	7443550230
2	4.80	12.00	11	732-1119-1-ND	6.48	5.40	4.59	400	1187.79	7443550480
	6.00	15.00	9.5	732-1120-1-ND	6.48	5.40	4.59	—	—	7443550600
	0.20	0.43	32	732-1121-1-ND	6.74	5.63	4.78	—	—	744355122
	0.47	0.80	30	732-1122-1-ND	6.74	5.63	4.78	400	1237.35	744355147
	1.30	2.00	25	732-1124-1-ND	6.74	5.63	4.78	400	1237.35	7443551130
	2.00	3.00	23	732-1125-1-ND	6.74	5.63	4.78	400	1237.35	7443551200
	3.70	5.30	17	732-1127-1-ND	6.74	5.63	4.78	400	1237.35	7443551370
	4.70	7.70	13	732-1128-1-ND	6.74	5.63	4.78	400	1237.35	7443551470
	6.00	9.00	12	732-1129-1-ND	6.74	5.63	4.78	400	1237.35	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	6.74	5.63	4.78	400	1237.35	7443551730
	9.20	8.40	12	732-1138-1-ND	6.74	5.63	4.78	400	1237.35	7443551920
	11.30	10.00	11	732-1139-1-ND	6.74	5.63	4.78	400	1237.35	7443551111
	13.00	12.50	10	732-1140-1-ND	6.74	5.63	4.78	400	1237.35	7443551131
	15.40	16.00	9	732-1141-1-ND	6.74	5.63	4.78	400	1237.35	7443551151
3	0.15	0.72	25	732-1142-1-ND‡	5.84	4.88	4.15	—	—	744355215
	0.30	1.30	22	732-1130-1-ND	5.84	4.88	4.15	—	—	744355230
	0.56	1.80	20	732-1131-1-ND	5.84	4.88	4.15	800	1872.08	744355256
	1.00	3.80	16	732-1132-1-ND	5.84	4.88	4.15	800	1872.08	7443552100
	1.50	5.70	14	732-1133-1-ND	5.84	4.88	4.15	800	1872.08	7443552150
	4.30	17.00	8	732-1136-1-ND	5.84	4.88	4.15	800	1872.08	7443552430
4	8.20	11.60	10	732-2184-1-ND	6.48	5.40	4.59	400	1187.79	7443550820
5	22.00	24.70	6	732-2183-1-ND	6.76	5.64	4.79	400	1239.04	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) 190.08
 732-1922-ND (744356) WE-HC/HCA Series Kit (See Digi-Key website for contents of kit) 221.76

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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

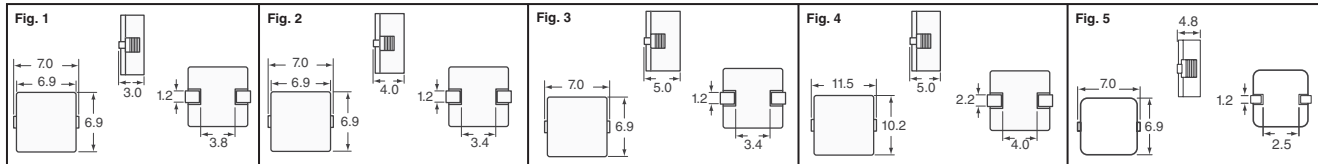


Fig.	Inductance (µH)	DCR Max. (mΩ)	Rated Current (A)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel†		Würth Part No.
					1	25	100	Qty.	Pricing	
1	0.13	.91	22	732-1143-1-ND	4.59	3.83	3.26	—	—	744310013
	0.24	1.6	18	732-1144-1-ND	4.59	3.83	3.26	1,500	1529.09/M	744310024
	0.52	3.7	14	732-1145-1-ND	4.59	3.83	3.26	1,500	1529.09/M	744310055
	0.95	6.2	11	732-1146-1-ND	4.59	3.83	3.26	1,500	1529.09/M	744310095
	1.15	8.6	8.5	732-1147-1-ND	4.59	3.83	3.26	1,500	1529.09/M	744310115
2	2	14.2	6.5	732-1148-1-ND	4.59	3.83	3.26	—	—	744310200
	0.68	3.1	17	732-1149-1-ND	4.67	3.90	3.32	1,000	1560.06	744311068
	1.5	7.8	11	732-1150-1-ND	4.67	3.90	3.32	1,000	1560.06	744311150
	2.2	11.4	9	732-1151-1-ND	4.67	3.90	3.32	1,000	1560.06	744311220
	3.3	17.2	6.5	732-1152-1-ND	4.67	3.90	3.32	1,000	1560.06	744311330
3	4.7	19.5	6	732-1153-1-ND	4.67	3.90	3.32	1,000	1560.06	744311470
	0.24	1.15	20	732-1154-1-ND	4.94	4.13	3.51	—	—	744314024
	0.47	2.00	18	732-1155-1-ND	4.94	4.13	3.51	1,000	1650.18	744314047
	0.76	2.90	15.5	732-1156-1-ND	4.94	4.13	3.51	—	—	744314076
	1.10	3.80	15	732-1157-1-ND	4.94	4.13	3.51	1,000	1650.18	744314110
1.50	5.20	13	732-1158-1-ND	4.94	4.13	3.51	1,000	1650.18	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	4.94	4.13	3.51	1,000	1650.18	744314200
	3.30	11.6	9	732-1160-1-ND	4.94	4.13	3.51	1,000	1650.18	744314330
	4.90	17.00	6.5	732-1161-1-ND	4.94	4.13	3.51	1,000	1650.18	744314490
	6.5	25.00	6	732-1162-1-ND	4.94	4.13	3.51	1,000	1650.18	744314650
	0.40	0.77	24	732-1164-1-ND	6.21	5.18	4.40	700	1810.55	744325040
4	0.72	1.65	22	732-1165-1-ND	6.21	5.18	4.40	700	1810.55	744325072
	1.20	2.00	20	732-1166-1-ND	6.21	5.18	4.40	700	1810.55	744325120
	1.80	4.00	16	732-1167-1-ND	6.21	5.18	4.40	—	—	744325180
	2.40	5.00	14	732-1168-1-ND	6.21	5.18	4.40	700	1810.55	744325240
	3.30	6.60	12	732-1169-1-ND	6.21	5.18	4.40	—	—	744325330
	4.20	8.00	11	732-1170-1-ND	6.21	5.18	4.40	700	1810.55	744325420
5	5.50	14.00	10	732-1171-1-ND	6.21	5.18	4.40	700	1810.55	744325550
	7.60	30.20	4.2	732-2181-1-ND	5.49	4.58	3.89	1,000	1830.40	744314760
	8.50	32.50	4.0	732-2182-1-ND	5.49	4.58	3.89	1,000	1830.40	744314850
	10.00	33.00	3.5	732-2180-1-ND	5.49	4.58	3.89	1,000	1830.40	744314100

† 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 179.52

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