



WE-PDF Series — Shielded Power Inductors



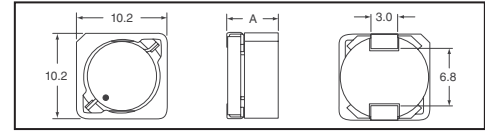
Dimensions in mm

Features:

- Flat power inductor • High storage capability • Magnetically shielded which results in a low leakage field • Low self-losses • High saturation current • Flat wire coil for lower losses at high frequency ranges • High self resonance frequency • Operating temperature: -40°C ~ 150°C • Recommended solder profile: Reflow

Applications:

- Switching regulators with high switching frequencies • Optimized design with lower copper losses



Inductance (µH)	DCR Max. (mΩ)	Rated Current (A)	Dim. A (mm)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel Pricing† 500	Würth Part No.
					1	25	100		
0.22	7.00	10.3	6.4	732-2410-1-ND	3.57	2.98	2.53	743.49	7447798022
0.22	10.0	8.80	4.5	732-2205-1-ND	2.73	2.28	1.94	567.94	7447797022
0.50	7.50	9.50	6.4	732-2411-1-ND	3.57	2.98	2.53	743.49	7447798050
0.50	12.5	8.50	4.5	732-2206-1-ND	2.73	2.28	1.94	567.94	7447797050
1.10	14.0	7.60	4.5	732-2207-1-ND	2.73	2.28	1.94	567.94	7447797110
1.10	8.60	9.25	6.4	732-2412-1-ND	3.57	2.98	2.53	743.49	7447798110
1.80	9.60	9.00	6.4	732-2413-1-ND	3.57	2.98	2.53	743.49	7447798180
1.80	16.0	7.30	4.5	732-2208-1-ND	2.73	2.28	1.94	567.94	7447797180
2.50	10.3	8.60	6.4	732-2418-1-ND	3.57	2.98	2.53	743.49	7447798250
3.00	18.0	7.00	4.5	732-2209-1-ND	2.73	2.28	1.94	567.94	7447797300
3.60	11.1	7.90	6.4	732-2422-1-ND	3.57	2.98	2.53	743.49	7447798360
3.60	20.0	6.80	4.5	732-2210-1-ND	2.73	2.28	1.94	567.94	7447797360
4.70	13.2	7.50	6.4	732-2424-1-ND	3.57	2.98	2.53	743.49	7447798470
4.70	27.0	5.80	4.5	732-2211-1-ND	2.73	2.28	1.94	567.94	7447797470

Inductance (µH)	DCR Max. (mΩ)	Rated Current (A)	Dim. A (mm)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel Pricing† 500	Würth Part No.
					1	25	100		
6.20	14.7	7.00	6.4	732-2425-1-ND	3.57	2.98	2.53	743.49	7447798620
6.20	30.0	5.50	4.5	732-2212-1-ND	2.73	2.28	1.94	567.94	7447797620
7.20	18.0	6.50	6.4	732-2426-1-ND	3.57	2.98	2.53	743.49	7447798720
8.20	35.0	4.80	4.5	732-2213-1-ND	2.73	2.28	1.94	567.94	7447797820
9.10	19.4	6.20	6.4	732-2427-1-ND	3.57	2.98	2.53	743.49	7447798910
11.0	21.4	5.80	6.4	732-2414-1-ND	3.57	2.98	2.53	743.49	7447798111
13.0	27.1	5.20	6.4	732-2415-1-ND	3.57	2.98	2.53	743.49	7447798131
15.0	28.9	4.90	6.4	732-2416-1-ND	3.57	2.98	2.53	743.49	7447798151
18.0	31.1	4.70	6.4	732-2417-1-ND	3.57	2.98	2.53	743.49	7447798181
22.0	40.2	4.10	6.4	732-2419-1-ND	3.57	2.98	2.53	743.49	7447798221
24.0	42.9	4.00	6.4	732-2420-1-ND	3.57	2.98	2.53	743.49	7447798241
27.0	45.8	3.90	6.4	732-2421-1-ND	3.57	2.98	2.53	743.49	7447798271
30.0	49.2	3.70	6.4	732-2423-1-ND	3.57	2.98	2.53	743.49	7447798301

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

WE-HCC Series — High Current SMD Inductors



Dimensions in mm

Features: • Magnetically shielded version • Excellent saturation characteristics • Operating temperature: -40°C ~ 125°C

Applications: • Input filter for switching regulators and motor electronics • Single/Multiphase switching regulators for currents

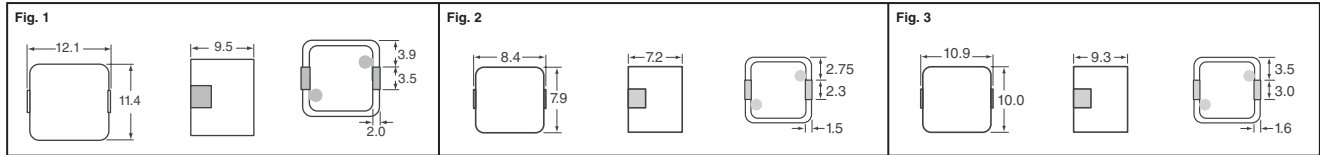


Fig.	Inductance (µH)	DCR Max. (mΩ)	IRMS (A)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel Qty.	Tape and Reel Pricing	Würth Part No.
					1	25	100			
1	0.22	0.51	27.0	732-2116-1-ND	2.63	2.19	1.87	300	361.34	7443310022
	0.22	0.53	27.0	732-2133-1-ND	2.63	2.19	1.87	300	361.34	7443320022
	0.33	0.51	27.0	732-2117-1-ND	2.63	2.19	1.87	300	361.34	7443310033
	0.33	0.53	27.0	732-2134-1-ND	2.63	2.19	1.87	300	361.34	7443320033
	0.47	0.72	23.0	732-2118-1-ND	2.63	2.19	1.87	300	361.34	7443310047
	0.47	0.72	26.0	732-2135-1-ND	2.63	2.19	1.87	300	361.34	7443320047
	0.68	0.72	23.0	732-2119-1-ND	2.63	2.19	1.87	300	361.34	7443310068
	0.68	0.72	26.0	732-2136-1-ND	2.63	2.19	1.87	300	361.34	7443320068
	0.82	1.15	21.0	732-2120-1-ND	2.63	2.19	1.87	300	361.34	7443310082
	0.82	1.17	24.0	732-2137-1-ND	2.63	2.19	1.87	300	361.34	7443320082
	1.00	1.15	21.0	732-2121-1-ND	2.63	2.19	1.87	300	361.34	7443310100
	1.00	1.17	24.0	732-2138-1-ND	2.63	2.19	1.87	300	361.34	7443320100
1.50	2.00	18.5	732-2122-1-ND	2.63	2.19	1.87	300	361.34	7443310150	
1.50	2.10	19.5	732-2139-1-ND	2.63	2.19	1.87	300	361.34	7443320150	
2.20	3.00	16.0	732-2123-1-ND	2.63	2.19	1.87	300	361.34	7443310220	
2.20	3.05	18.0	732-2140-1-ND	2.63	2.19	1.87	300	361.34	7443320220	
3.30	4.40	17.0	732-2141-1-ND	2.63	2.19	1.87	300	361.34	7443320330	
3.30	6.00	13.0	732-2124-1-ND	2.63	2.19	1.87	300	361.34	7443310330	
3.90	8.90	11.5	732-2125-1-ND	2.63	2.19	1.87	300	361.34	7443310390	
4.70	6.35	15.5	732-2142-1-ND	2.63	2.19	1.87	300	361.34	7443320470	
4.70	8.90	11.5	732-2126-1-ND	2.63	2.19	1.87	300	361.34	7443310470	
6.80	8.98	13.0	732-2143-1-ND	2.63	2.19	1.87	300	361.34	7443320680	
8.20	9.90	13.0	732-2144-1-ND	2.63	2.19	1.87	300	361.34	7443320820	
10.00	14.4	9.0	732-2145-1-ND	2.63	2.19	1.87	300	361.34	7443321000	

Fig.	Inductance (µH)	DCR Max. (mΩ)	IRMS (A)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel Qty.	Tape and Reel Pricing	Würth Part No.
					1	25	100			
2	0.30	1.40	20.5	732-2159-1-ND	1.78	1.49	1.27	500	371.75	7443340030
	0.47	1.72	19.0	732-2160-1-ND	1.78	1.49	1.27	500	371.75	7443340047
	0.68	1.72	19.0	732-2161-1-ND	1.78	1.49	1.27	500	371.75	7443340068
	1.00	2.95	17.0	732-2162-1-ND	1.78	1.49	1.27	500	371.75	7443340100
	1.50	4.40	16.5	732-2163-1-ND	1.78	1.49	1.27	500	371.75	7443340150
	2.20	4.40	16.5	732-2164-1-ND	1.78	1.49	1.27	500	371.75	7443340220
3	3.30	6.50	14.0	732-2165-1-ND	1.78	1.49	1.27	500	371.75	7443340330
	0.22	0.60	21.5	732-2146-1-ND	2.18	1.82	1.55	400	399.83	7443330022
	0.33	0.60	21.5	732-2147-1-ND	2.18	1.82	1.55	400	399.83	7443330033
	0.47	0.80	20.5	732-2148-1-ND	2.18	1.82	1.55	400	399.83	7443330047
	0.68	1.35	20.0	732-2149-1-ND	2.18	1.82	1.55	400	399.83	7443330068
	0.82	1.35	20.0	732-2150-1-ND	2.18	1.82	1.55	400	399.83	7443330082
	1.00	1.35	20.0	732-2151-1-ND	2.18	1.82	1.55	400	399.83	7443330100
	1.50	2.50	18.0	732-2152-1-ND	2.18	1.82	1.55	400	399.83	7443330150
	2.20	3.70	16.5	732-2153-1-ND	2.18	1.82	1.55	400	399.83	7443330220
	3.30	5.40	14.0	732-2154-1-ND	2.18	1.82	1.55	400	399.83	7443330330
	4.70	8.20	13.0	732-2155-1-ND	2.18	1.82	1.55	400	399.83	7443330470
	6.80	13.2	11.5	732-2156-1-ND	2.18	1.82	1.55	400	399.83	7443330680
	8.20	13.2	11.5	732-2157-1-ND	2.18	1.82	1.55	400	399.83	7443330820
	10.00	20.7	9.0	732-2158-1-ND	2.18	1.82	1.55	400	399.83	7443331000

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

732-2229-ND (744332) WE-HCC Series Kit (See Digi-Key website for contents of kit)..... 111.52

WE-HCB Series — High Current Power Inductors



Dimensions in mm

Features: • Flat wire inductor • Very low DCR tolerance of ±8% • Magnetically shielded version • Operating temperature: -40°C ~ 125°C

Applications: • DC/DC converter • Filter

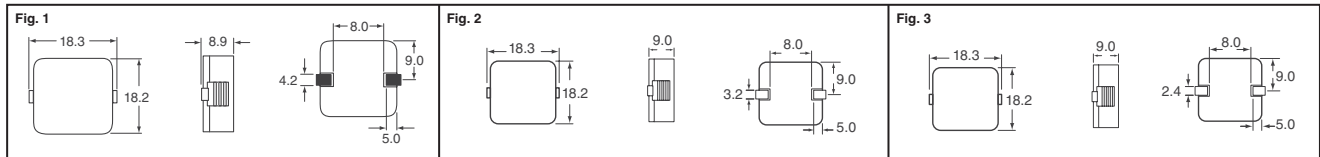


Fig.	Inductance (µH)	DCR Max. (mΩ)	Rated Current (A)	Digi-Key Part No.	Cut Tape Price Each		Tape and Reel Pricing† 150	Würth Part No.
					1	25		
1	0.82	0.54	41.5	732-2166-1-ND	7.68	6.41	595.41	7443556082
	1.30	0.94	34.5	732-2168-1-ND	7.68	6.41	595.41	7443556130
	1.90	1.20	32.5	732-2169-1-ND	7.68	6.41	595.41	7443556190
	2.60	1.58	31.5	732-2170-1-ND	7.68	6.41	595.41	7443556260
	3.50	3.10	22.5	732-2171-1-ND	7.68	6.41	595.41	7443556350
	4.50	3.40	20.5	732-2172-1-ND	7.68	6.41	595.41	7443556450
	5.60	3.70	19.0	732-2173-1-ND	7.68	6.41	595.41	7443556560

Fig.	Inductance (µH)	DCR Max. (mΩ)	Rated Current (A)	Digi-Key Part No.	Cut Tape Price Each		Tape and Reel Pricing† 150	Würth Part No.
					1	25		
1	6.80	4.10	18.5	732-2174-1-ND	7.68	6.41	595.41	7443556680
	10.00	6.90	15.0	732-2167-1-ND	7.68	6.41	595.41	74435561100
	10.00	7.10	16.5	732-2175-1-ND	7.68	6.41	595.41	74435571100
2	15.00	9.3	14.0	732-2176-1-ND	7.68	6.41	595.41	74435571500
	22.00	14.6	11.0	732-2177-1-ND	7.68	6.41	595.41	74435572200
	33.00	22.6	8.5	732-2178-1-ND	7.68	6.41	595.41	74435573300
3	47.00	34.0	6.8	732-2179-1-ND	7.68	6.41	595.41	74435574700

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

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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