

DIP Unshielded Power Inductors-HK Series



Feature

- 1. Low cost
- 2. Wide range of inductance
- 3. Small mounting space required
- 4. The other types with low DCR,large current,best for the power supply line

Applications

- 1. Power supplies,DC-DC converters,TVs,VTRs
- 2. Computer,computer peripherals
- 3. Home electric appliance,Ect

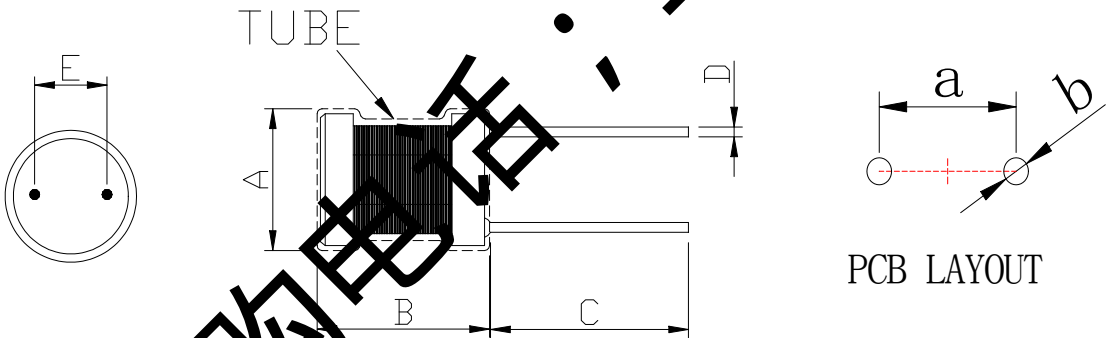
Product Identification

0810 - 150 M - P15

1 2 3 4 5

- 1. Series name
- 2. Dimension
- 3. Inductance(150=15uH)
- 4. Tolerance (N:30%,M:20%,K:10%)
- 5. Leg length

Configurations & Dimensions



Series Name	A(Max)	B(Max)	C(Ref)	D(Ref)	E	a	b
FHW0406	5.5	8.0	15.0	0.50	2.0±0.5	2.0	0.80
FHW0608	7.5	10.0	15.0	0.60	3.0±0.5	3.0	0.90
FHW0810	10.0	13.0	15.0	0.65	5.0±0.5	5.0	0.95
FHW0912	11.0	15.0	15.0	0.80	5.0±0.5	5.0	1.10
FHW1012	12.0	15.0	15.0	0.80	5.0±0.5	5.0	1.10

Unit: mm

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Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHW0406-1R0M	1.0	100/0.25	0.035	2.00
FHW0406-1R5M	1.5		0.075	1.90
FHW0406-2R2M	2.2		0.120	1.75
FHW0406-3R3M	3.3		0.130	1.50
FHW0406-4R7M	4.7		0.140	1.32
FHW0406-6R8M	6.8		0.150	1.15
FHW0406-100K	10		0.230	1.00
FHW0406-120K	12		0.240	0.97
FHW0406-150K	15		0.250	0.92
FHW0406-180K	18		0.330	0.86
FHW0406-220K	22		0.400	0.80
FHW0406-270K	27		0.500	0.71
FHW0406-330K	33		0.700	0.66
FHW0406-390K	39		0.740	0.60
FHW0406-470K	47		0.760	0.55
FHW0406-560K	56		0.800	0.50
FHW0406-680K	68		0.900	0.47
FHW0406-820K	82		0.950	0.43
FHW0406-101K	100		1.000	0.40
FHW0406-121K	120		1.100	0.37
FHW0406-151K	150		1.300	0.35
FHW0406-181K	180		1.500	0.32
FHW0406-221K	220		1.800	0.30
FHW0406-331K	330		2.200	0.25
FHW0406-471K	470		3.600	0.20
FHW0406-561K	560		4.200	0.19
FHW0406-681K	680		4.600	0.17
FHW0406-821K	820		5.700	0.16

※ Rated Current that will cause initial inductance value approximately 25% rolloff. (Ta=25±5℃)

※ Rated Current that causes the temperature rise(ΔT=40℃)from 25℃ ambient.

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Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHW0608-3R3M	3.3	100/0.25	0.016	3.50
FHW0608-4R7M	4.7		0.020	3.00
FHW0608-6R8M	6.8		0.022	2.50
FHW0608-100K	10		0.039	2.00
FHW0608-150K	15		0.045	1.70
FHW0608-220K	22		0.062	1.50
FHW0608-330K	33		0.100	1.10
FHW0608-470K	47		0.150	0.95
FHW0608-680K	68		0.220	0.80
FHW0608-101K	100		0.350	0.65
FHW0608-151K	150		0.400	0.54
FHW0608-221K	220		0.900	0.44
FHW0608-331K	330		1.500	0.36
FHW0608-471K	470		1.800	0.30
FHW0608-681K	680		2.500	0.25
FHW0608-102K	1000	1/0.25	3.200	0.20
FHW0608-122K	1200		3.500	0.18
FHW0608-152K	1500		4.500	0.17
FHW0608-182K	1800		5.000	0.15
FHW0608-222K	2200		6.800	0.14
FHW0608-272K	2700		7.200	0.12
FHW0608-332K	3300		10.500	0.11
FHW0608-472K	4700		13.600	0.09
FHW0608-682K	6800		19.600	0.08
FHW0608-103K	10000		29.500	0.06
FHW0608-153K	15000		45.400	0.05
FHW0608-223K	22000		80.000	0.04
FHW0608-333K	33000		98.500	0.03

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Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHW0810-3R3M	3.3	100/0.25	0.012	5.00
FHW0810-4R7M	4.7		0.016	4.30
FHW0810-6R8M	6.8		0.022	3.70
FHW0810-100K	10		0.025	3.20
FHW0810-150K	15		0.033	2.80
FHW0810-220K	22		0.047	2.40
FHW0810-330K	33		0.075	1.90
FHW0810-470K	47		0.100	1.50
FHW0810-560K	56		0.150	1.30
FHW0810-680K	68		0.180	1.20
FHW0810-820K	82		0.200	1.10
FHW0810-101K	100		0.210	0.90
FHW0810-121K	120		0.220	0.80
FHW0810-151K	150		0.240	0.72
FHW0810-181K	180		0.280	0.65
FHW0810-221K	220		0.350	0.60
FHW0810-331K	330		0.470	0.50
FHW0810-391K	390		0.680	0.46
FHW0810-471K	470		0.800	0.42
FHW0810-561K	560		1.000	0.38
FHW0810-681K	680		1.200	0.35
FHW0810-821K	820		1.500	0.31
FHW0810-102K	1000	1/0.25	1.800	0.28
FHW0810-122K	1200		2.000	0.25
FHW0810-152K	1500		2.400	0.23
FHW0810-182K	1800		2.800	0.21
FHW0810-222K	2200		3.300	0.19
FHW0810-272K	2700		5.000	0.17

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Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHW0910-1R0M	1.0	100/0.25	0.011	5.00
FHW0910-1R5M	1.5		0.012	4.80
FHW0910-2R2M	2.2		0.015	4.60
FHW0910-3R3M	3.3		0.017	4.50
FHW0910-4R7M	4.7		0.020	4.00
FHW0910-6R8M	6.8		0.025	3.50
FHW0910-100K	10		0.035	2.80
FHW0910-120K	12		0.040	2.70
FHW0910-150K	15		0.045	2.30
FHW0910-180K	18		0.050	2.10
FHW0910-220K	22		0.060	2.00
FHW0910-330K	33		0.100	1.50
FHW0910-390K	39		0.120	1.40
FHW0910-470K	47		0.125	1.30
FHW0910-560K	56		0.130	1.20
FHW0910-680K	68		0.140	1.00
FHW0910-820K	82		0.150	0.90
FHW0910-101K	100		0.160	0.70
FHW0910-121K	120		0.250	0.68
FHW0910-151K	150		0.280	0.65
FHW0910-181K	180		0.320	0.60
FHW0910-221K	220		0.470	0.50
FHW0910-331K	330		0.600	0.40
FHW0910-471K	470		0.950	0.33
FHW0910-681K	680		1.200	0.25
FHW0910-821K	820		1.300	0.20
FHW0910-102K	1000	1/0.25	1.400	0.18
FHW0910-152K	1500		2.900	0.15

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Part Number	Inductance (uH)	Test Freq. (KHz/Volt)	DC Resistance (Ω)MAX	Rated Current (A)
FHW1012-1R0M	1.0	100/0.25	0.010	6.00
FHW1012-1R5M	1.5		0.012	5.80
FHW1012-2R7M	2.7		0.015	5.50
FHW1012-3R3M	3.3		0.018	5.30
FHW1012-4R7M	4.7		0.023	4.90
FHW1012-6R8M	6.8		0.027	4.60
FHW1012-100K	10		0.031	4.40
FHW1012-120K	12		0.033	4.30
FHW1012-150K	15		0.035	4.20
FHW1012-180K	18		0.040	4.00
FHW1012-220K	22		0.045	3.80
FHW1012-330K	33		0.055	3.00
FHW1012-390K	39		0.060	2.50
FHW1012-470K	47		0.080	2.30
FHW1012-560K	56		0.085	2.00
FHW1012-680K	68		0.095	1.90
FHW1012-820K	82		0.110	1.80
FHW1012-101K	100		0.140	1.70
FHW1012-121K	120		0.160	1.50
FHW1012-151K	150		0.180	1.40
FHW1012-181K	180		0.250	1.30
FHW1012-221K	220		0.280	1.00
FHW1012-331K	330		0.540	0.80
FHW1012-471K	470		0.660	0.70
FHW1012-681K	680		0.840	0.55
FHW1012-821K	820		1.080	0.50
FHW1012-102K	1000	1/0.25	1.390	0.45
FHW1012-103K	10000		12.000	0.18

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