

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

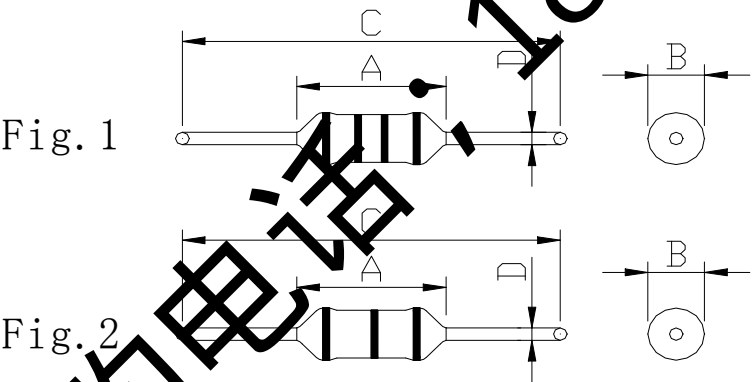
- 1. Power supplies,DC-DC converters,TVs,VTRs
- 2. Computer,computer peripherals
- 3. Home electric appliance,Ect

Product Identification

HZ 0410 - 150 K
1 2 3 4

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

Configurations & Dimensions



Series Name	A(Ref)	B(Max)	C(Ref)	D(Ref)	Fig.
FHW0204	4.0	2.0	62.0	0.50	1
FHW0307	6.0	3.0	62.0	0.55	2
FHW0410	11.0	4.0	62.0	0.65	2
FHW0510	12.0	5.0	62.0	0.65	2

Unit: mm

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Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (MHz)	Q (Min.)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(MHz)
FHW0204-R10M	0.10	25.2	35	0.18	700	300
FHW0204-R15M	0.15		35	0.22	620	300
FHW0204-R18M	0.18		35	0.24	600	300
FHW0204-R22M	0.22		35	0.40	400	150
FHW0204-R33M	0.33		35	0.48	370	100
FHW0204-R47M	0.47		35	0.56	330	150
FHW0204-R68M	0.68		35	0.67	310	150
FHW0204-R82M	0.82		35	0.74	290	150
FHW0204-1R0K	1.0		35	0.80	270	150
FHW0204-1R5K	1.5	7.96	40	1.00	250	70
FHW0204-1R8K	1.8		40	1.10	240	60
FHW0204-2R2K	2.2		40	1.20	230	45
FHW0204-3R3K	3.3		40	1.40	210	38
FHW0204-4R7K	4.7		40	1.70	190	32
FHW0204-5R6K	5.6		40	1.90	180	30
FHW0204-6R8K	6.8		40	2.00	175	28
FHW0204-100K	10		40	2.50	165	24
FHW0204-120K	12		40	2.50	150	22
FHW0204-150K	15		40	2.80	145	20
FHW0204-220K	22	2.52	40	3.10	100	17
FHW0204-330K	33		40	4.70	75	14
FHW0204-470K	47		40	5.80	70	12
FHW0204-680K	68		40	7.20	64	10
FHW0204-101K	100		40	12.00	44	9.0
FHW0204-121K	120		40	13.00	42	8.0
FHW0204-151K	150		40	16.00	39	6.0
FHW0204-181K	180	0.796	40	18.00	37	5.0
FHW0204-221K	220		40	20.00	35	5.0
FHW0204-331K	330		40	30.00	25	4.2

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Part Number	Inductance (uH)	Test Freq. (MHz)	Q (Min.)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(MHz)
FHW0307-R10M	0.10	25.2	40	0.06	1400	480
FHW0307-R15M	0.15		40	0.07	1270	420
FHW0307-R18M	0.18		40	0.07	1200	400
FHW0307-R22M	0.22		40	0.08	1150	380
FHW0307-R33M	0.33		40	0.10	1110	310
FHW0307-R47M	0.47		40	0.11	1000	300
FHW0307-R68M	0.68		40	0.13	900	250
FHW0307-R82M	0.82		40	0.14	900	200
FHW0307-1R0K	1.0		40	0.15	815	180
FHW0307-1R5K	1.5		40	0.20	700	150
FHW0307-1R8K	1.8	7.96	50	0.23	655	125
FHW0307-2R2K	2.2		50	0.25	630	110
FHW0307-3R3K	3.3		50	0.30	575	70
FHW0307-4R7K	4.7		50	0.35	530	50
FHW0307-6R8K	6.8		50	0.45	470	30
FHW0307-8R2K	8.2		50	0.56	425	28
FHW0307-100K	10		50	0.75	370	22
FHW0307-120K	12		50	0.80	350	20
FHW0307-150K	15		50	0.93	335	16
FHW0307-180K	18		50	1.00	315	16
FHW0307-220K	22	2.52	50	1.20	285	13
FHW0307-330K	33		50	2.10	255	10
FHW0307-470K	47		50	2.60	205	9
FHW0307-560K	56		50	2.90	195	7.5
FHW0307-680K	68		60	3.30	185	6.5
FHW0307-101K	100		60	4.20	165	5.5
FHW0307-121K	120		60	4.70	160	5.4
FHW0307-221K	220		60	6.50	130	4.0
FHW0307-471K	470		60	12.50	90	2.4
FHW0307-681K	680		60	18.00	75	2.0
FHW0307-102K	1000	0.796	50	30.00	60	1.1

品牌：FHW-丰辉旺电感

深圳市丰辉旺科技有限公司；联系电话：18503051681李生同微信号

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Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (MHz)	Q (Min.)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(MHz)
FHW0410-R10M	0.10	25.2	25	0.06	1700	480
FHW0410-R15M	0.15		25	0.07	1560	420
FHW0410-R18M	0.18		25	0.07	1480	400
FHW0410-R22M	0.22		25	0.08	1400	380
FHW0410-R33M	0.33		25	0.10	1280	310
FHW0410-R47M	0.47		25	0.13	1150	250
FHW0410-R68M	0.68		25	0.15	1030	210
FHW0410-R82M	0.82		45	0.16	980	172
FHW0410-1R0K	1.0		45	0.17	920	157
FHW0410-1R5K	1.5	7.96	50	0.20	830	131
FHW0410-1R8K	1.8		55	0.22	790	121
FHW0410-2R2K	2.2		55	0.24	750	110
FHW0410-3R3K	3.3		65	0.30	670	94
FHW0410-4R7K	4.7		70	0.40	620	80
FHW0410-6R8K	6.8		75	0.50	550	68
FHW0410-8R2K	8.2		80	0.60	530	53
FHW0410-100K	10		80	0.65	500	45
FHW0410-150K	15	2.52	70	0.75	460	20
FHW0410-180K	18		65	0.80	430	14
FHW0410-220K	22		50	0.90	410	9.9
FHW0410-270K	27		55	1.00	390	7.6
FHW0410-330K	33		55	1.10	370	6.3
FHW0410-470K	47		45	1.30	340	6.3
FHW0410-680K	68		40	1.80	305	5.7
FHW0410-101K	100		30	2.50	275	4.8
FHW0410-151K	180	0.796	70	4.60	165	3.3
FHW0410-221K	220		70	5.10	155	3.0
FHW0410-331K	330		65	6.50	137	2.6
FHW0410-471K	470		60	8.50	126	2.2
FHW0410-681K	680		55	12.00	113	1.9
FHW0410-102K	1000		50	20.00	85	1.4

品牌：FHW-丰辉旺电感

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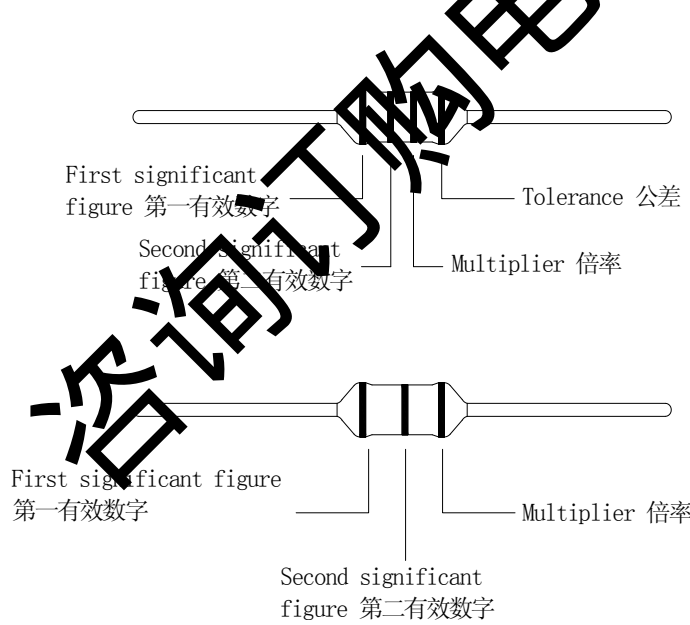
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Electrical Characteristics

Part Number	Inductance (uH)	Test Freq. (KHz)		Q (Min.)	DC Resistance (Ω)MAX	Rated Current (mA)	SRF Min.(MHz)
		L	Q				
FHW0510-471K	470	1	796	60	0.06	1700	480
FHW0510-561K	560	1	796	50	0.07	1560	420
FHW0510-681K	680	1	796	55	0.07	1480	400
FHW0510-821K	820	1	796	45	0.08	1400	380
FHW0510-102K	1000	1	252	40	0.10	1280	310
FHW0510-122K	1200	1	252	40	0.13	1150	250
FHW0510-152K	1500	1	252	40	0.15	1030	210
FHW0510-182K	1800	1	252	40	0.16	980	172
FHW0510-222K	2200	1	252	40	0.17	920	157
FHW0510-272K	2700	1	252	40	0.20	830	131
FHW0510-332K	3300	1	252	40	0.22	790	121
FHW0510-392K	3900	1	252	40	0.24	750	110
FHW0510-472K	4700	1	252	40	0.30	670	94
FHW0510-562K	5600	1	252	30	0.40	620	80
FHW0510-682K	6800	1	252	30	0.50	550	68
FHW0510-822K	8200	1	252	30	0.60	530	53
FHW0510-103K	10000	1	252	20	0.65	500	45

Color Coding



The nominal inductance is marked. Color listed in table below

Color	Nominal inductance(uH)		
	Figure	multiplier	Tolerance
Black	0	×1	±20%
Brown	1	×10	—
Red	2	×100	—
Orange	3	×1000	—
Yellow	4		—
Green	5		—
Blue	6		—
Violet	7		—
Gray	8		—
White	9		—
Gold	—	×0.1	±5%
Silver	—	×0.01	±10%

品牌；FHW-丰辉旺电感

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