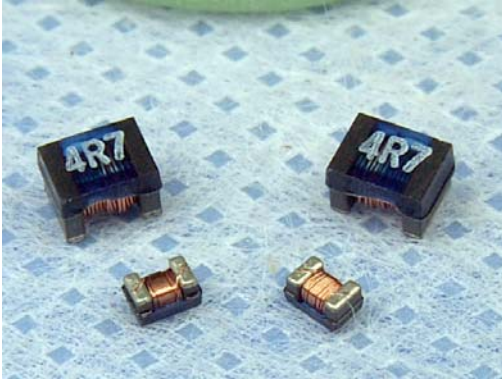


SMD INDUCTOR FOR POWER LINE

COMPONENT

PRODUCT IDENTIFICATION



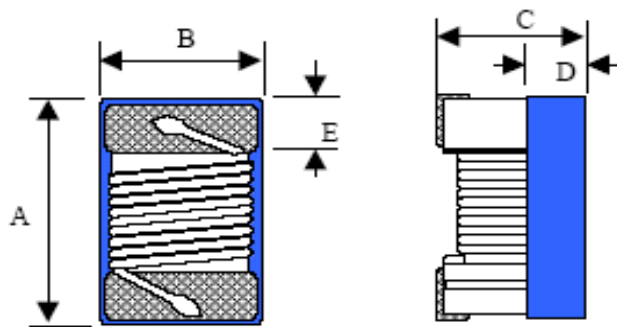
WHPN **1610** **F** - **R10**
A **B** **C** **D** **E**

- A : Small Molded and Wire Wound Chip Inductors Provide High Current Characteristics.
- B : DIMENSION
- C : MATERIAL CODE : F:FERRITE C:CERAMIC
- D : INDUCTANCE
- E : TOLERANCE : J:±5% K:10% M:20%

APPLICATIONS

- Personal computers, Hard disk drivers
- ADSL modem and Cable modem
- Digital camera and other electronic equipment

SHAPES & DIMENSIONS



TYPE	A max	B max	C max	D (Ref.)	E ±0.10
WHPN1610F	1.80	1.20	1.20	0.38	0.35
WPHN2012F	2.40	1.60	1.40	0.51	0.45
WHPN2520F	2.90	2.50	2.10	1.20	0.55
WHPN3225F	3.60	2.90	1.70	1.00	0.50

SMD INDUCTOR FOR POWER LINE

COMPONENT

ELECTRICAL CHARACTERISTICS

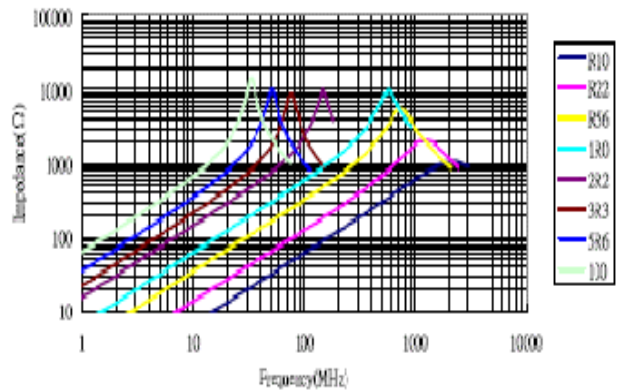
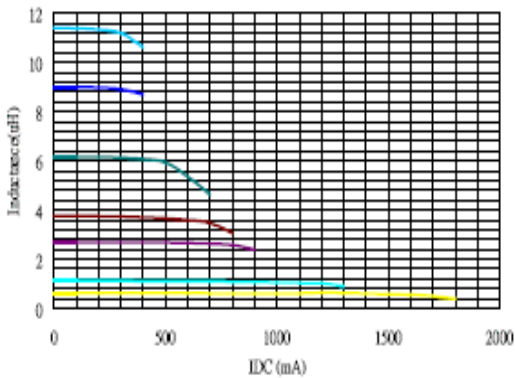
WHPN1610F SERIES

[↑ Back](#)

Inductance		Test Freq. (MHz)	Q Min.	SRF Min. (MHz)	RDC Resistance (Ω)Max.	IDC Max. (mA)
Code	(uH)					
R10□	0.10	7.96	10	1150	0.13	1400
R12□	0.12	7.96	10	1100	1.15	1400
R15□	0.15	7.96	10	1050	0.15	1300
R18□	0.18	7.96	10	950	0.15	1300
R22□	0.22	7.96	10	800	0.15	950
R27□	0.27	7.96	10	775	0.20	710
R33□	0.33	7.96	10	725	0.35	620
R39□	0.39	7.96	10	620	0.39	600
R47□	0.47	7.96	10	540	0.43	570
R56□	0.56	7.96	10	525	0.47	550
R68□	0.68	7.96	10	460	0.52	470
R82□	0.82	7.96	10	410	0.69	400
1R0□	1.0	7.96	10	190	0.81	400
1R2□	1.2	7.96	10	160	0.87	370
1R5□	1.5	7.96	10	100	0.96	350
1R8□	1.8	7.96	10	80	1.10	350
2R2□	2.2	7.96	10	68	1.20	320
3R3□	3.3	7.96	10	42	1.50	280
3R9□	3.9	7.96	10	40	1.50	280
4R7□	4.7	7.96	10	34	2.10	260
5R6□	5.6	7.96	10	32	2.60	240
6R8□	6.8	7.96	10	31	3.10	200
8R2□	8.2	7.96	10	26	4.40	190
100□	10.0	2.52	10	25	4.80	180

□ : Please specify the inductance tolerance, K(±10%), M(±20%)

Characteristics (L,Q vs. Frequency)



SMD INDUCTOR FOR POWER LINE

COMPONENT

ELECTRICAL CHARACTERISTICS

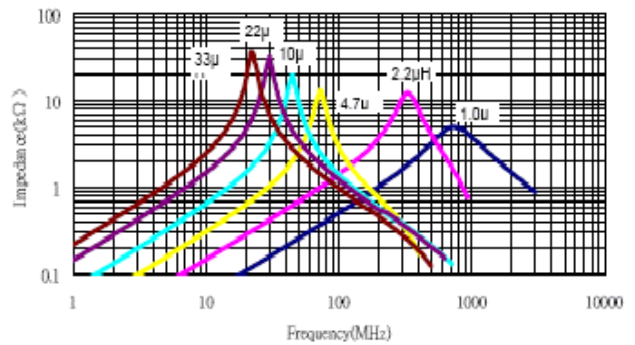
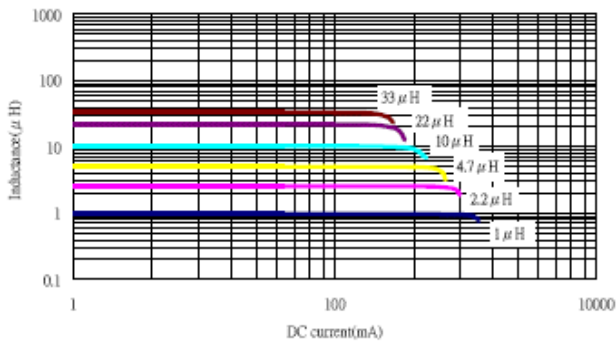
WHPN2012F SERIES

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Inductance		Test Freq. (MHz)	Q Min.	SRF Min. (MHz)	RDC Resistance (Ω)Max.	IDC Max. (mA)
Code	(uH)					
R47□	0.47	7.96	10	720	0.20	750
R56□	0.56	7.96	10	665	0.21	730
R68□	0.68	7.96	10	565	0.28	670
R82□	0.82	7.96	10	545	0.31	650
1R0□	1.0	7.96	10	525	0.34	615
1R2□	1.2	7.96	10	473	0.39	550
1R5□	1.5	7.96	10	300	0.45	520
1R8□	1.8	7.96	10	230	0.48	500
2R2□	2.2	7.96	10	215	0.67	420
2R7□	2.7	7.96	10	140	0.74	410
3R3□	3.3	7.96	10	95	0.81	385
3R9□	3.9	7.96	10	57	0.88	372
4R7□	4.7	7.96	10	51	0.99	345
5R6□	5.6	7.96	10	44	1.06	335
6R8□	6.8	7.96	10	39	1.21	315
8R2□	8.2	7.96	10	33	1.33	295
100□	10.0	2.52	10	30	1.79	260
120□	12.0	2.52	10	27	1.98	250
150□	15.0	2.52	10	22	2.68	215
180□	18.0	2.52	10	20	3.12	195
220□	22.0	2.52	10	18	3.48	180
270□	27.0	2.52	10	16	3.84	170
330□	33.0	2.52	10	15	4.34	145

□ : Please specify the inductance tolerance, K(±10%), M(±20%)

Characteristics (L,Q vs. Frequency)



SMD INDUCTOR FOR POWER LINE

COMPONENT

ELECTRICAL CHARACTERISTICS

WHPN2520F SERIES

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Inductance		Test Freq. (MHz)	Q Min.	SRF Min. (MHz)	DCR (Ω) Max.	IDC (mA) Max.
Code	(uH)					
1R0□	1.0	7.96	12	345	0.13	1000
1R5□	1.5	7.96	12	100	0.17	850
2R2□	2.2	7.96	12	78	0.21	775
3R3□	3.3	7.96	12	48	0.26	715
4R7□	4.7	7.96	12	46	0.52	505
6R8□	6.8	7.96	12	33	0.72	432
8R2□	8.2	7.96	12	30	0.76	410
100□	10	2.52	12	28	0.86	392
150□	15	2.52	12	21	1.09	342
220□	22	2.52	12	18	1.96	260
330□	33	2.52	12	15	2.47	236

□ : Please specify the inductance tolerance, K(±10%), M(±20%)

ELECTRICAL CHARACTERISTICS

WHPN3225F SERIES

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Inductance		Test Freq. (MHz)	Q Min.	SRF Min. (MHz)	RDC Resistance (Ω)Max.	IDC Max. (mA)
Code	(uH)					
1R0□	1.0	7.96	10	100	0.08	1500
1R5□	1.5	7.96	10	80	0.11	1125
2R2□	2.2	7.96	10	68	0.13	970
3R3□	3.3	7.96	10	54	0.16	837
4R7□	4.7	7.96	15	46	0.20	675
6R8□	6.8	7.96	15	38	0.27	600
100□	10	2.52	15	30	0.36	520
150□	15	2.52	15	26	0.56	480
220□	22	2.52	15	21	0.77	310
330□	33	2.52	15	17	1.10	270
470□	47	2.52	15	14	1.64	210
680□	68	2.52	15	12	2.80	189
101□	100	0.796	15	10	3.70	145
151□	150	0.796	15	8	6.10	120
221□	220	0.796	15	7	8.40	100
331□	330	0.796	15	6	12.3	80
471□	470	0.796	15	4	22.0	75
681□	680	0.796	15	3	28.0	65

□ : Please specify the inductance tolerance, K(±10%), M(±20%)