

ADB Technology Co., Ltd.

Wire Wound Ferrite Chip Inductors / CFL

Feature

Ferrite core wire wound construction.

Utilizing a miniaturized winding structure.

These products provide low DC resistance and high current.

Precision inductance tolerance is available.

Application

Personal computers, Hard disk drives.

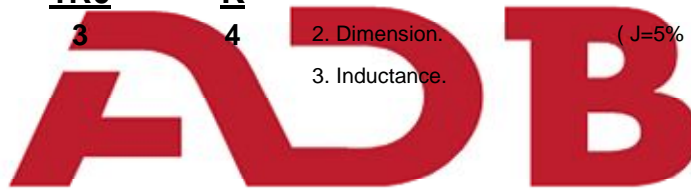
ADSL modem and Cable modem.

Digital camera or portable product

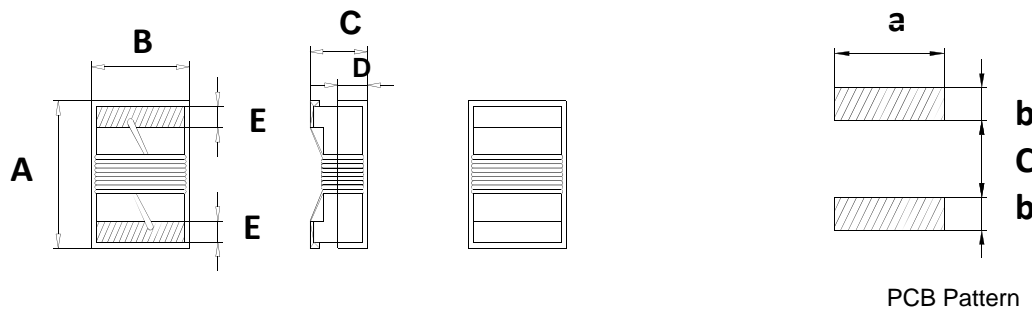
Measuring instruments.

Product Identification

<u>CFL</u>	<u>2012</u>	<u>1R0</u>	<u>K</u>	1. Series name.	4. Tolerance.
1	2	3	4	2. Dimension.	(J=5% K=10% M=20%)
				3. Inductance.	



Configurations & Dimensions



Series Name	A	B	C	D	E	a	b	c
CFL 1608	1.80(MAX)	1.20(MAX)	1.02(MAX)	0.45(REF)	0.33(REF)	1.02(REF)	0.64(REF)	0.64(REF)
CFL 2012	2.40(MAX)	1.65(MAX)	1.45(MAX)	0.65(REF)	0.44(REF)	1.78(REF)	1.02(REF)	0.76(REF)
CFL 2520	2.90(MAX)	2.54(MAX)	2.03(MAX)	1.30(REF)	0.50(REF)	2.54(REF)	1.02(REF)	1.27(REF)
CFL 3225	3.60(MAX)	2.90(MAX)	2.40(MAX)	1.10(REF)	0.50(REF)	2.70(REF)	1.20(REF)	2.0(REF)

Unit: mm

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Electrical Characteristics

CFL 1608 Series					
Part Number	Inductance (uH)	Q/MHz Min	SRF Min(MHz)	DC Resistance Max. (m)	Idc Max. (mA)
CFL 1608-R47 __	0.47	15/7.9	640	450	1400
CFL 1608-R56 __	0.56	15/7.9	630	440	1400
CFL 1608-R68 __	0.68	15/7.9	510	520	1340
CFL 1608-R78 __	0.78	15/7.9	465	630	1300
CFL 1608-R82 __	0.82	15/7.9	440	690	1200
CFL 1608-1R0 __	1.00	15/7.9	320	810	1100
CFL 1608-1R2 __	1.20	15/7.9	270	870	1000
CFL 1608-1R5 __	1.50	15/7.9	230	960	920
CFL 1608-1R8 __	1.80	15/7.9	210	1100	900
CFL 1608-2R2 __	2.20	15/7.9	115	1200	740
CFL 1608-2R7 __	2.70	15/7.9	100	1380	700
CFL 1608-3R3 __	3.30	15/7.9	84	1500	680
CFL 1608-3R9 __	3.90	15/7.9	75	1600	600
CFL 1608-4R7 __	4.70	15/7.9	67	2100	580
CFL 1608-5R6 __	5.60	15/7.9	55	2370	540
CFL 1608-6R8 __	6.80	15/7.9	48	3100	500
CFL 1608-7R8 __	7.80	15/7.9	40	3350	460
CFL 1608-8R2 __	8.20	15/7.9	38	3500	440
CFL 1608-100 __	10.00	15/7.9	32	4460	400

Tolerance:J=5% K=10%

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Electrical Characteristics

CFL 2012 Series					
Part Number	Inductance (uH)	Q/MHz Min	SRF Min(MHz)	DC Resistance Max. (m)	Idc Max. (mA)
CFL 2012-1R0 __	1.0	18/7.9	100	230	800
CFL 2012-1R5 __	1.5	18/7.9	90	280	650
CFL 2012-2R2 __	2.2	18/7.9	70	340	550
CFL 2012-3R3 __	3.3	18/7.9	55	440	450
CFL 2012-4R7 __	4.7	18/7.9	50	650	360
CFL 2012-6R8 __	6.8	24/7.9	60	950	290
CFL 2012-100 __	10.0	18/2.5	25	1100	290
CFL 2012-150 __	15.0	18/2.5	25	2000	230
CFL 2012-220 __	22.0	18/2.5	17	2450	190
CFL 2012-330 __	33.0	17/2.5	15	3040	120
CFL 2012-470 __	47.0	17/2.5	11	4500	95
CFL 2012-680 __	68.0	17/2.5	11	6800	95
CFL 2012-101 __	100.0	12/1.0	9	10500	70

Tolerance: K=10% M=20%

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CFL 2520 Series					
Part Number	Inductance (uH)	Q/MHz Min	SRF Min(MHz)	DC Resistance Max. (m)	Idc Max. (mA)
CFL 2520-R47 __	0.47	35/25	460	200	2400
CFL 2520-1R0 __	1.00	32/7.9	340	340	2100
CFL 2520-1R2 __	1.20	25/7.9	290	250	1900
CFL 2520-1R5 __	1.50	32/7.9	280	420	1800
CFL 2520-2R2 __	2.20	27/7.9	140	500	1500
CFL 2520-3R3 __	3.30	27/7.9	125	600	1300
CFL 2520-4R7 __	4.70	27/7.9	90	900	1100
CFL 2520-6R8 __	6.80	27/7.9	60	1050	950
CFL 2520-8R2 __	8.20	25/7.9	55	1200	850
CFL 2520-100 __	10.00	23/2.5	55	1550	800
CFL 2520-120 __	12.00	22/2.5	42	680	820
CFL 2520-150 __	15.00	23/2.5	36	2380	650
CFL 2520-220 __	22.00	23/2.5	29	2920	550
CFL 2520-330 __	33.00	23/2.5	21	4100	450
CFL 2520-470 __	47.00	23/2.5	17	7800	350

Tolerance:J=5% K=10%

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CFL 3225 Series					
Part Number	Inductance (uH)	Q/MHz Min	SRF Min(MHz)	DC Resistance Max. (m)	Idc Max. (mA)
CFL 3225-1R0 __	1.0	35/7.9	340	125	2600
CFL 3225-1R5 __	1.5	35/7.9	160	145	2200
CFL 3225-2R2 __	2.2	35/7.9	100	175	1900
CFL 3225-3R3 __	3.3	35/7.9	70	210	1500
CFL 3225-4R7 __	4.7	28/7.9	55	300	1300
CFL 3225-6R8 __	6.8	28/7.9	45	370	1100
CFL 3225-100 __	10.0	22/2.5	47	500	900
CFL 3225-150 __	15.0	22/2.5	34	720	740
CFL 3225-220 __	22.0	22/2.5	25	1030	640
CFL 3225-330 __	33.0	20/2.5	13	1370	500
CFL 3225-470 __	47.0	20/2.5	12	1880	440
CFL 3225-680 __	68.0	22/1.0	10	3000	360
CFL 3225-101 __	100.0	15/1.0	8	4680	280
CFL 3225-151 __	150.0	13/1.0	7	6100	220
CFL 3225-221 __	220.0	13/1.0	3	7650	200
CFL 3225-331 __	330.0	13/1.0	3	12620	160
CFL 3225-471 __	470.0	13/1.0	3	25000	120
CFL 3225-681 __	680.0	13/1.0	2	31000	100

Tolerance:J=5% K=10%