

ADB Technology Co., Ltd.

Multilayer Ferrite Chip Beads / CMF Series

Feature

1. Monolithic inorganic material construction
2. Closed magnetic circuit avoids crosstalk
3. S.M.T. type
4. Suitable for flow and reflow soldering
5. Shapes and dimensions follow E.I.A. SPEC
6. Available in various sizes & 6 materials
7. Excellent soldering ability and heat resistance
8. High reliability

Application

Personal computers, communication equipment, digital telephone, electronic games machines, CRTs, hard disk drives, cellular phones, PDAs, printers and other computer peripheral products.

Suitable for I/O ports, DC power lines and signal lines, and general circuits with unstable ground.

Product Identification

CMF 1608 RL 120

1 2 3 4

1. Series name

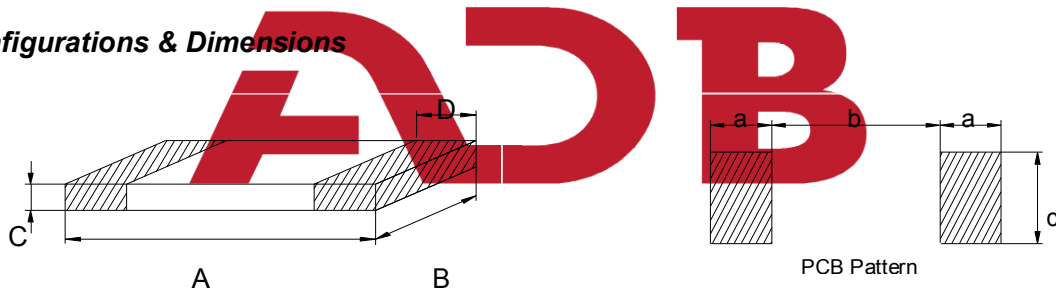
2. Dimension. (See Details)

3. Material.

4. Impedance.

(300=30Ω 601=600Ω)

Configurations & Dimensions



Series Name	A	B	C	D	a	b	c
CMF1005	1.0 ± 0.1	0.5 ± 0.1	0.5 ± 0.1	0.25 ± 0.1	0.8(REF)	0.5(REF)	0.55(REF)
CMF1608	1.6 ± 0.15	0.8 ± 0.15	0.8 ± 0.15	0.3 ± 0.2	0.8(REF)	0.5(REF)	0.55(REF)
CMF2012	2.0 ± 0.2	1.25 ± 0.2	0.85 ± 0.2	0.5 ± 0.3	1.0(REF)	1.0(REF)	1.0(REF)
CMF3216	3.2 ± 0.2	1.6 ± 0.2	1.1 ± 0.2	0.5 ± 0.3	1.1(REF)	2.2(REF)	1.4(REF)
CMF3225	3.2 ± 0.2	2.5 ± 0.2	1.3 ± 0.2	0.5 ± 0.3	1.1(REF)	2.2(REF)	3.4(REF)
CMF4516	4.5 ± 0.2	1.6 ± 0.2	1.6 ± 0.2	0.5 ± 0.3	1.5(REF)	2.7(REF)	1.4(REF)
CMF4532	4.5 ± 0.2	3.2 ± 0.2	1.5 ± 0.2	0.5 ± 0.3	1.65(REF)	2.57(REF)	4.22(REF)

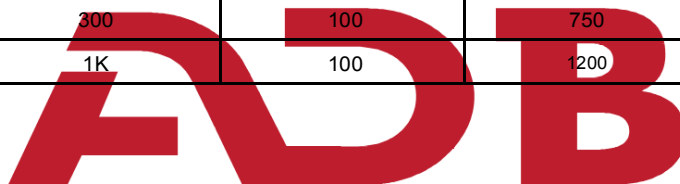
Unit: mm

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Electrical Characteristics

CMF1005 Series				
Part Number	Impedance (Ω) \pm 25%	Test Frequency (MHz)	DC Resistance Max. ($m\Omega$)	Rated Current Max. (mA)
CMF 1005RL100	10+ 30%	100	50	500
CMF 1005RL300	30	100	200	300
CMF 1005RL600	60	100	250	300
CMF 1005RL121	120	100	300	100
CMF 1005RL151	150	100	300	100
CMF 1005RL221	220	100	400	100
CMF 1005RL301	300	100	500	100
CMF 1005RL471	470	100	650	100
CMF 1005RL601	600	100	800	80
CMF 1005ML600	60	100	300	100
CMF 1005ML121	120	100	450	80
CMF 1005ML221	220	100	600	50
CMF 1005ML301	300	100	750	50
CMF 1005RL102	1K	100	1200	300



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<i>CMF1608 Series</i>				
Part Number	Impedance (Ω) \pm 25%	Test Frequency (MHz)	DC Resistance Max. ($m\Omega$)	Rated Current Max. (mA)
CMF1608RL300	30	100	200	700
CMF1608RL600	60	100	200	700
CMF1608RL121	120	100	250	600
CMF1608RL151	150	100	250	600
CMF1608RL221	220	100	300	550
CMF1608RL301	300	100	350	500
CMF1608RL471	470	100	450	350
CMF1608RL601	600	100	500	350
CMF1608RL102	1000	100	700	200
CMF1608RL122	1200	100	600	200
CMF1608HL152	1500	100	1,000	200
CMF1608HL202	2000	100	1,200	150
CMF1608BL100	10	100	200	700
CMF1608BL300	30	100	250	600
CMF1608BL600	60	100	300	600
CMF1608BL121	120	100	400	300
CMF1608BL151	150	100	400	300
CMF1608BL221	220	100	600	250
CMF1608BL301	300	100	800	200
CMF1608BL471	470	100	850	200
CMF1608BL601	600	100	1,200	150
CMF1608BL102	1000	100	1,500	80
CMF1608WL121	120	100	2,500	300
CMF1608WL151	150	100	300	250
CMF1608WL221	220	100	350	200
CMF1608WL301	300	100	450	250
CMF1608WL471	470	100	550	200
CMF1608WL601	600	100	700	200
CMF1608WL801	800	100	800	100
CMF1608WL102	1000	100	900	100

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CMF2012 Series				
Part Number	Impedance (Ω) \pm 25%	Test Frequency (MHz)	DC Resistance Max. (mΩ)	Rated Current Max. (mA)
CMF2012RL110 _	11	100	100	900
CMF2012RL170 _	17	100	100	600
CMF2012RL220 _	22	100	300	600
CMF2012RL260 _	26	100	100	600
CMF2012RL300 _	30	100	100	600
CMF2012RL400 _	40	100	100	600
CMF2012RL600 _	60	100	100	900
CMF2012RL101 _	100	100	100	900
CMF2012RL121 _	120	100	200	800
CMF2012RL151 _	150	100	200	800
CMF2012RL221 _	220	100	300	750
CMF2012RL301 _	300	100	300	700
CMF2012RL331 __	330	100	330	700
CMF2012RL471 _	470	100	350	700
CMF2012RL601 _	600	100	400	500
CMF2012RL801 _	800	100	400	450
CMF2012RL102 __	1000	100	450	400
CMF2012HL102 __	1000	100	450	400
CMF2012BL152 _	1500	100	500	350
CMF2012BL202 _	2000	100	600	250
CMF2012BL300 _	30	100	200	700
CMF2012BL600 _	60	100	200	700
CMF2012BL121 _	120	100	250	600
CMF2012BL151 _	150	100	250	600
CMF2012BL221 _	220	100	300	400
CMF2012BL301 _	300	100	350	400
CMF2012WL120 _	12	100	150	300
CMF2012WL151 _	150	100	200	300
CMF2012WL221 _	220	100	300	250
CMF2012WL301 _	300	100	350	200
CMF2012WL471 _	470	100	400	200
CMF2012WL601 _	600	100	450	200
CMF2012WL801 _	800	100	550	150
CMF2012WL102 _	1000	100	650	100

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CMF3216 Series				
Part Number	Impedance (Ω) \pm 25%	Test Frequency (MHz)	DC Resistance Max. (mΩ)	Rated Current Max. (mA)
CMF3216RL260 _	26	100	200	500
CMF3216RL310 _	31	100	200	500
CMF3216RL420 _	42	100	200	500
CMF3216RL500 _	50	100	200	500
CMF3216RL700 _	70	100	200	500
CMF3216RL900 _	90	100	200	500
CMF3216RL121 _	120	100	150	900
CMF3216RL151 _	150	100	150	900
CMF3216RL221 _	220	100	350	700
CMF3216RL301 _	300	100	350	700
CMF3216RL471 _	470	100	350	400
CMF3216RL601 _	600	100	400	400
CMF3216RL801 _	800	100	600	300
CMF3216BL102 _	1000	100	600	300
CMF3216BL121 _	120	100	250	700
CMF3216BL151 _	150	100	250	700
CMF3216BL221 _	220	100	300	600
CMF3216BL301 _	300	100	350	600
CMF3216BL471 _	470	100	400	550
CMF3216BL601 _	600	100	500	500
CMF3216BL801 _	800	100	500	400
CMF3216WL102 _	1000	100	550	300
CMF3216WL121 _	120	100	150	300
CMF3216WL151 _	150	100	200	300
CMF3216WL221 _	220	100	300	250
CMF3216WL301 _	300	100	350	200
CMF3216WL471 _	470	100	400	200
CMF3216WL601 _	600	100	450	200

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CMF4516 Series				
Part Number	Impedance (Ω) \pm 25%	Test Frequency (MHz)	DC Resistance Max. ($m\Omega$)	Rated Current Max. (mA)
CMF3225RL600	60	100	300	400
CMF3225NL310	31	100	300	400
CMF4516 Series				
Part Number	Impedance (Ω) \pm 25%	Test Frequency (MHz)	DC Resistance Max. ($m\Omega$)	Rated Current Max. (mA)
CMF4516RL101	100	100	100	500
CMF4516RL151	150	100	500	200
CMF4532 Series				
Part Number	Impedance (Ω) \pm 25%	Test Frequency (MHz)	DC Resistance Max. ($m\Omega$)	Rated Current Max. (mA)
CMF4532RL131	130	100	400	300
CMF4532BL250	25	100	400	300
CMF4532NL700	70	100	400	300

