

ADB Technology Co., Ltd.

High Current Multilayer Ferrite Chip Beads / CMF-HC Series

Feature

Closed magnetic circuit structure allows high density mounting while preventing crosstalk.
Extremely high reliability due to entirely due to entirely monolithic construction.
Low DC resistance structure of electrode to prevent wasteful electric power consumption.
High Current rating up to 6A.

Application

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

Product Identification

CMF 2012 RL 600 HC-3A
 1 2 3 4 5

1. Series name

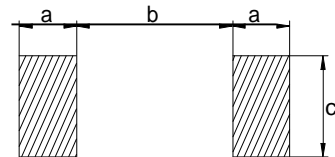
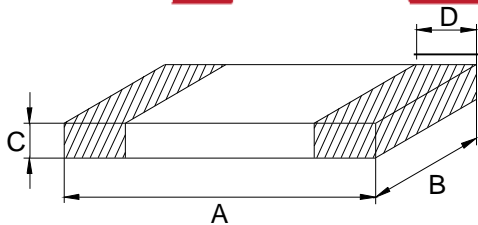
4. Impedance.
(600=60Ω)

2. Dimension.

5. Rated current

3. Material.

Configurations & Dimensions



PCB Pattern

Series Name	A	B	C	D	a	b	c
CMF 1608-HC	1.6 ± 0.15	0.8 ± 0.15	0.8 ± 0.15	0.3 ± 0.2	1.0(REF)	0.6(REF)	0.8(REF)
CMF 2012-HC	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)
CMF 3216-HC	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)
CMF 3225-HC	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)
CMF 4516-HC	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)
CMF 4532-HC	4.5 ± 0.2	3.2 ± 0.2	1.5 ± 0.2	0.5 ± 0.3	1.67(REF)	2.57(REF)	4.22(REF)
CMF 5750-HC	5.7 ± 0.2	5.0 ± 0.3	1.8 ± 0.2	0.5 ± 0.3			

Unit: mm

ADB Technology Co., Ltd.

High Current Multilayer Ferrite Chip Beads / CMF-HC Series

Electrical Characteristics

CMF1608-HC Series				
Part Number	Impedance () ± 25%	Test Frequency (MHz)	DC Resistance Max. (m)	Rated Current Max. (mA)
CMF 1608RL300HC-3A	30	100	40	3,000
CMF 1608RL800HC-3A	80	100	40	3,000
CMF 1608RL121HC-2A	120	100	100	2,000
CMF 1608RL151HC-2A	150	100	100	2,000
CMF 1608RL221HC-2A	220	100	100	2,000
CMF 1608RL601HC-2A	600	100	150	2,000
CMF 1608RL301HC-1A	300	100	200	1,000
CMF 1608RL471HC-1A	470	100	200	1,000
CMF 1608RL601HC-1A	600	100	200	1,000
CMF2012-HC Series				
Part Number	Impedance () ± 25%	Test Frequency (MHz)	DC Resistance Max. (m)	Rated Current Max. (mA)
CMF 2012RL300HC-3A	30	100	40	3,000
CMF 2012RL600HC-3A	60	100	40	3,000
CMF 2012RL800HC-3A	80	100	40	3,000
CMF 2012RL121HC-2A	120	100	100	2,000
CMF 2012RL151HC-2A	150	100	100	2,000
CMF 2012RL221HC-2A	220	100	100	2,000
CMF 2012RL301HC-1A	300	100	200	1,000
CMF 2012RL471HC-1A	470	100	200	1,000
CMF 2012RL601HC-1A	600	100	200	1,000
CMF3216-HC Series				
Part Number	Impedance () ± 25%	Test Frequency (MHz)	DC Resistance Max. (m)	Rated Current Max. (mA)
CMF 3216RL300HC-3A	30	100	40	3,000
CMF 3216RL500HC-3A	50	100	40	3,000
CMF 3216RL800HC-3A	80	100	40	3,000
CMF 3216RL121HC-2A	120	100	100	2,000
CMF 3216RL151HC-2A	150	100	100	2,000
CMF 3216RL301HC-1A	300	100	200	1,000
CMF 3216RL471HC-1A	470	100	200	1,000
CMF 3216RL501HC-3A	500	100	40	3,000
CMF 3216RL601HC-2A	600	100	100	2,000

ADB Technology Co., Ltd.

High Current Multilayer Ferrite Chip Beads / CMF-HC Series

Electrical Characteristics

CMF3225-HC Series				
Part Number	Impedance () ± 25%	Test Frequency (MHz)	DC Resistance Max. (m)	Rated Current Max. (mA)
CMF 3225RL600HC-4A	60	100	30	4,000
CMF 3225RL900HC-2A	90	100	100	2,000
CMF 3225RL151HC-5A	150	100	20	5,000
CMF 3225RL201HC-4A	200	100	30	4,000
CMF4516-HC Series				
Part Number	Impedance () ± 25%	Test Frequency (MHz)	DC Resistance Max. (m)	Rated Current Max. (mA)
CMF 4516RL600HC-6A	60	100	10	6,000
CMF 4516RL800HC-3A	80	100	40	3,000
CMF 4516BL102HC-1.5A	1000	100	150	1,500
CMF4532-HC Series				
Part Number	Impedance () ± 25%	Test Frequency (MHz)	DC Resistance Max. (m)	Rated Current Max. (mA)
CMF 4532RL800HC-6A	80	100	10	6,000
CMF 4532RL131HC-3A	130	100	40	3,000
CMF 4532RL151HC-5A	150	100	20	5,000
CMF 4532HL681HC-4A	680	100	30	4,000
CMF 4532HL132HC-3A	1300	100	60	3,000