



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Automotive Power Magnetics Inductor Design Kit



HCMA High Current Automotive Iron Powder Inductors



Powering Business Worldwide



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HCMA Automotive Inductors

- AEC-Q200 tested and qualified (Grade 3)
- Rugged, flexible construction; highly resistant to shock and vibration environments
- Handles high transient inrush current spikes
- High current carrying capacity
- Low core losses
- Magnetically shielded, low EMI
- Iron Powder core material

Applications:

Body Electronics

- Central body control module
- Vehicle access control system
- Headlamps, tail lamps and interior lighting
- Heating Ventilation and Air Conditioning (HVAC) controllers
- Doors, window lift and seat control

Advanced driver assistance systems

- Adaptive cruise control (ACC)
- Automatic parking control
- Collision avoidance system
- Car black box system

Infotainment and cluster electronics

- Audio subsystem: head unit and trunk amp
- Digital instrument cluster
- In-Vehicle Infotainment (IVI) and navigation

Chassis and safety electronics

- Airbag control unit
- Electronic Stability Control system (ESC)
- Electric parking brake

Kit content and product specifications

Family	Inductance range (μH)	I _{rms} range (A)	I _{sat} range (A)	DCR range (mΩ) typ
HCMA0503	0.20-15.0	2.4-22	2.1-21	2.1-138
HCMA0703	0.15-33.0	1.8-26	2.0-52	1.9-220
HCMA1104	0.20-10	7.5-32	8.5-45	0.6-27
HCMA1305	0.10-33.0	5.2-55	8-118	0.5-74
HCMA1707	1.5-68	5.2-40	6.5-40	1.85-74

HCMA0503-R20-R HCMA0503-R35-R HCMA0503-R47-R HCMA0503-R75-R HCMA0503-1R0-R HCMA0503-1R5-R HCMA0503-220-R HCMA0503-2R2-R HCMA0503-3R3-R HCMA0503-4R7-R	HCMA0503-5R6-R HCMA0503-100-R HCMA0503-150-R HCMA0703-1R5-R HCMA0703-R22-R HCMA0703-R47-R HCMA0703-R68-R HCMA0703-R82-R	HCMA0703-1R0-R HCMA0703-1R5-R HCMA0703-2R2-R HCMA0703-3R3-R HCMA0703-4R7-R HCMA0703-6R8-R HCMA0703-8R2-R HCMA0703-100-R HCMA0703-330-R	HCMA1305-R10-R HCMA1305-R22-R HCMA1305-R33-R	HCMA1305-R47-R HCMA1305-R56-R HCMA1305-R68-R	HCMA1305-R82-R HCMA1305-1R0-R HCMA1305-1R5-R
HCMA1305-1R8-R HCMA1305-2R2-R HCMA1305-3R3-R	HCMA1305-4R7-R HCMA1305-5R6-R HCMA1305-6R8-R	HCMA1305-7R8-R HCMA1305-8R2-R HCMA1305-100-R	HCMA1305-150-R HCMA1305-220-R HCMA1305-330-R	HCMA1104-R20-R HCMA1104-R36-R HCMA1104-R45-R	HCMA1104-R56-R HCMA1104-R90-R HCMA1104-1R0-R HCMA1104-1R5-R
HCMA1104-2R2-R HCMA1104-3R3-R HCMA1104-4R7-R HCMA1104-100-R	HCMA1707-1R5-R HCMA1707-2R2-R	HCMA1707-4R7-R HCMA1707-6R8-R	HCMA1707-8R2-R HCMA1707-100-R	HCMA1707-150-R HCMA1707-220-R	HCMA1707-330-R HCMA1707-470-R HCMA1707-680-R

Resources

Datasheets: www.eaton.com/elx-datasheets

Samples: www.eaton.com/elx-samples

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