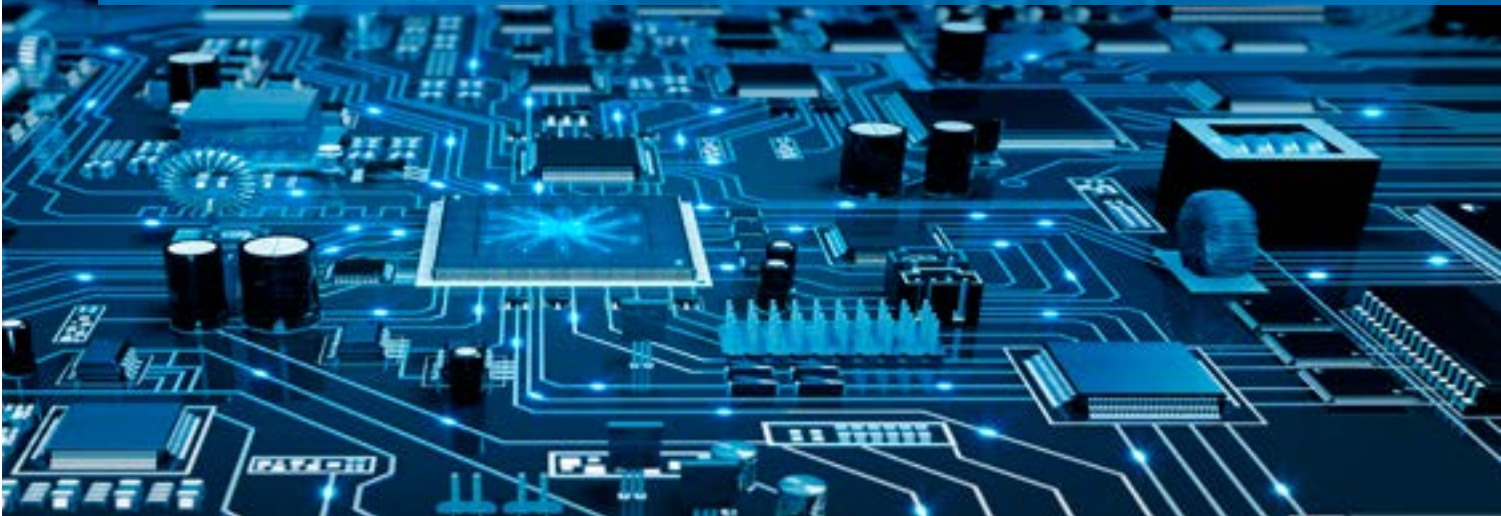


High current inductors



Get high efficiency and low core loss inductor solutions

Product description

Eaton's industrial grade high-current power inductors deliver exceptional performance and efficiency in compact, space-saving designs.

Pack more power in smaller spaces with greater efficiency. The HCM, HPAL, and HCF exhibit high current carrying capacity and low core losses optimizing power density performance. The utilization of flat wire technology reduces the DCR resulting in improved efficiency.

The HCM, HPAL, and HCF are designed for a wide range of applications such as Point-of-Load modules (POL), multi-phase regulators, Voltage Regulator Modules (VRM), desktop-notebook and netbook regulators, graphics cards and battery power systems.

Environmentally friendly Halogen free, lead free and RoHS compliant, these inductors pose minimal impact on the environment.



EATON

Powering Business Worldwide

Product specifications

HC High current inductors – iron powder



	Inductance (μH)		Isat Current (A)		Irms Current (A)		DCR Max. (mΩ)		Size (mm)		
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	L	W	H
HCM0503	0.2	22.0	1.9	21	1.9	22	2.3	270	5.5	5.3	3.0
HCM0703	0.2	33.0	2.2	52	1.8	26	2.5	242	7.4	7.0	3.0
HCM1103	0.1	22.0	5.0	75	3.0	30	0.6	99	11.5	10.3	3.0
HCM1104	0.2	22.0	5.5	45	5.0	32	0.7	66	11.5	10.3	4.0
HCM1305	0.1	33.0	8.0	12	5.2	55	0.6	86	13.8	12.5	5.0
HCM1307	0.5	3.0	40.0	63	15.0	38	1.2	5	14.2	13.0	6.5
HCM1707	1.5	68.0	6.5	40	5.2	40	2.2	85	17.5	17.2	7.0
HPAL0530	0.1	10	3.5	30	3.0	25	3.0	125	5.4	5.2	2.8
HPAL0630	0.15	10	4.5	40	4.5	26	2.4	68	7.0	6.6	2.8
HPAL1040	0.22	47	3.5	60	2.8	35	1.0	145	11.5	10	3.8
HCP0605		0.1		20		53			6.1	5.3	5.0
HCP0704	0.4	4.7	8.0	27	5.0	17	3.5	33	6.8	6.8	4.0 - 4.2
-ICP0805	0.4	2.2	14.0	32	10.0	20	3.3	12	7.9	7.6	5.0

HC High current inductors – ferrite



	Inductance (μH)		Isat Current (A)		Irms Current (A)		DCR Max. (mΩ)		Size (mm)		
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	L	W	H
HCF1007	0.3	10.0	5.3	48	9.4	30	0.99	9.2	10.3	8.1	6.7
HCF1305	0.5	4.7	10.4	36	10.9	32	1.00	7.2	12.5	12.5	5.0
HC1	0.2	10.5	5.3	41	12.8	51	0.36	5.7	13.0	13.0	10.0
HC2LP	0.5	6.0	16.5	64	17.0	53	0.60	4.6	19.2	19.2	11.2
HC3	0.5	6.5	30.0	120	33.8	78	0.42	2.2	25.3	30.0	17.5 - 18.0

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