



Features

- Magnetically shielded construction
- Compact and thin
- Large Current and Low DCR

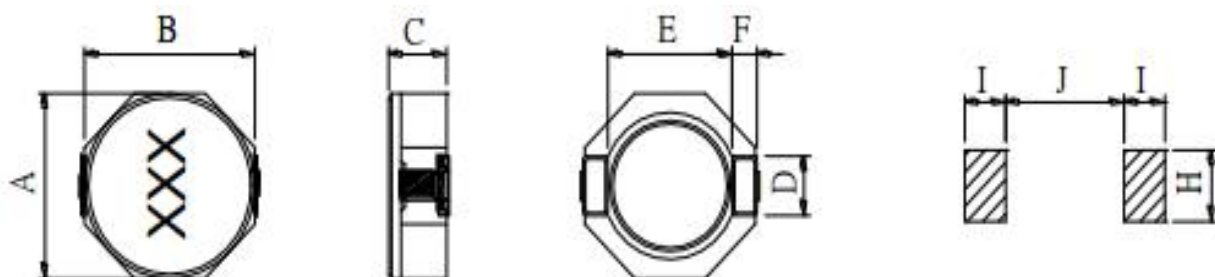
Application

- DC-DC converter of portable equipment
- Camcorder, LCD television set, Digital camera, P.D.A., Notebook.

Tolerance

- (K 10%, L 15%, M 20%, N 30%)

Configurations & Dimensions



Dimensions

Chip Size

Units:mm

TYPE	A	B	C	D	E	F	H	I	J
HC8D28	8.3max	8.3max	3.0max	2.5	6.3	1.2	2.80	2.00	6.10
HC8D43	8.3max	8.3max	4.5max	2.5	6.3	1.2	2.80	2.00	6.10

Design as Customer's Requested Specifications.



Specifcations HC8D28

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (KHz)	DCR (Ω) max	Isat (A) max
HC8D28-2R5N	2.5	30	0.1V/100	0.027	5.40
HC8D28-2R6N	2.6	30	0.1V/100	0.030	5.00
HC8D28-3R3N	3.3	30	0.1V/100	0.035	4.80
HC8D28-4R7N	4.7	30	0.1V/100	0.040	4.00
HC8D28-5R6N	5.6	30	0.1V/100	0.050	3.50
HC8D28-6R8N	6.8	30	0.1V/100	0.058	3.20
HC8D28-7R3N	7.3	30	0.1V/100	0.062	3.00
HC8D28-100M	10	20	0.1V/100	0.080	2.70
HC8D28-150M	15	20	0.1V/100	0.121	2.20
HC8D28-220M	22	20	0.1V/100	0.157	1.80
HC8D28-330M	33	20	0.1V/100	0.205	1.40
HC8D28-470M	47	20	0.1V/100	0.360	1.25
HC8D28-680M	68	20	0.1V/101	0.580	0.96
HC8D28-101M	100	20	0.1V/100	0.895	0.78

Note: Isat:Based on inductance change ($\Delta L/L_0 \leq 35\%$)@ambient temp. 25°C

Specifcations HC8D43

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (KHz)	DCR (Ω) max	Isat (A) max
HC8D43-2R0N	2.0	30	0.1V/100	0.014	6.40
HC8D43-3R3N	3.3	30	0.1V/100	0.019	5.50
HC8D43-3R9N	3.9	30	0.1V/100	0.019	5.00
HC8D43-4R7N	4.7	30	0.1V/100	0.022	4.60
HC8D43-5R6N	5.6	30	0.1V/100	0.031	4.40
HC8D43-6R8N	6.8	30	0.1V/100	0.032	4.20
HC8D43-100M	10	20	0.1V/100	0.040	3.60
HC8D43-150M	15	20	0.1V/100	0.058	2.60
HC8D43-220M	22	20	0.1V/100	0.096	2.10
HC8D43-270M	27	20	0.1V/100	0.122	1.80
HC8D43-330M	33	20	0.1V/100	0.144	1.60
HC8D43-470M	47	20	0.1V/100	0.195	1.40
HC8D43-680M	68	20	0.1V/100	0.240	1.20
HC8D43-101M	100	20	0.1V/100	0.360	0.90
HC8D43-221M	220	20	0.1V/100	0.700	0.50

Note: Isat:Based on inductance change ($\Delta L/L_0 \leq 35\%$)@ambient temp. 25°C

