Chip Inductors HCI 160808-321611Series

Pb-free Halogen-free

Features

- To prevent EMI interference noises between electronic circuits.
- High Q and high reliability and ferrite material.

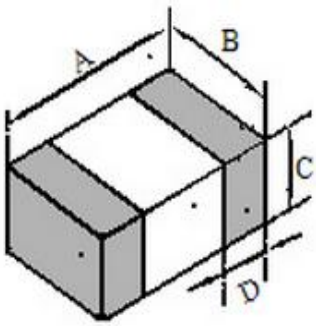
Application

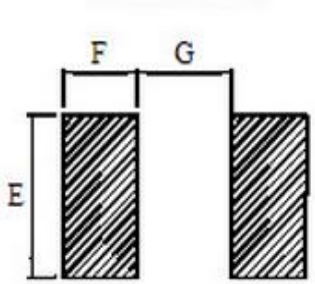
- Notebook Computer, Disc Drive Unit(CD/DVD),Inkjet Printer Hard Disk Drive, Copying Machine,Display Monitor, Gaming Machine, Color TV,Video Tape Recorder, DVD Player, Video Camera,Digital Still Camera, Car Electronics, Lowest EMI.

Tolerance

- (S±0.3nH,J±5%, K±10%, M±20%)

Configurations & Dimensions





Dimensions **Chip Size** **Units:mm**

TYPE	A	B	C	D	E	F	G
HCI160808(0603)	1.6±0.15	0.8±0.15	0.8±0.15	0.3～0.5	0.7	0.7	0.7
HCI201209(0805)	2.0±0.2	1.25±0.2	0.85±0.2	0.4～0.6	1.0	0.8	1.0
HCI201209(0805)	2.0±0.2	1.25±0.2	1.25±0.2	0.4～0.6	1.0	0.8	1.0
HCI321611(1206)	3.2±0.2	1.20±0.2	1.10±0.3	0.5～0.8	1.4	1.1	2.2

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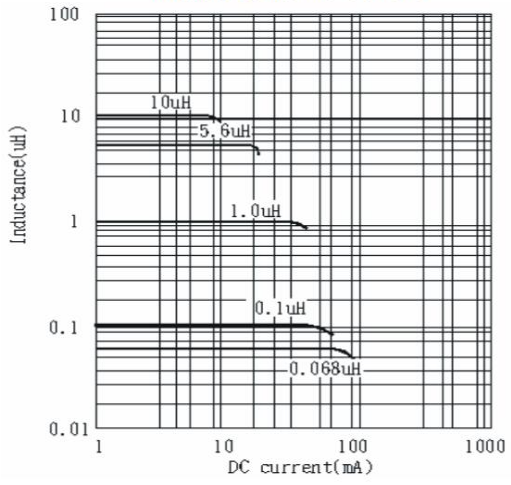
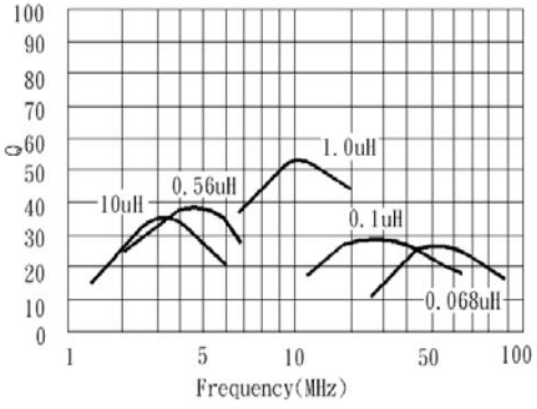
Specifications HCI160808

Part Number	Inductance (uH)	Tolerance (%)	Q min	SRF(MHz) min	DCR(Ω) max	Rated DC Current(mA)max
HCI160808-47NM	0.047&50MHz	M	10.0	260	0.30	50
HCI160808-68NM	0.068&50MHz	M	10.0	250	0.30	50
HCI160808-82NM	0.082&50MHz	M	10.0	245	0.30	50
HCI160808-R10K	0.1&25MHz	K,M	15.0	240	0.50	50
HCI160808-R12K	0.12&25MHz	K,M	15.0	205	0.50	50
HCI160808-R15K	0.15&25MHz	K,M	15.0	180	0.60	50
HCI160808-R18K	0.18&25MHz	K,M	15.0	165	0.60	50
HCI160808-R22K	0.22&25MHz	K,M	15.0	150	0.80	50
HCI160808-R27K	0.27&25MHz	K,M	15.0	136	0.80	50
HCI160808-R33K	0.33&25MHz	K,M	15.0	125	0.85	35
HCI160808-R39K	0.39&25MHz	K,M	15.0	110	1.00	35
HCI160808-R47K	0.47&25MHz	K,M	15.0	105	1.35	35
HCI160808-R56K	0.56&25MHz	K,M	15.0	95	1.55	35
HCI160808-R68K	0.68&25MHz	K,M	15.0	90	1.70	35
HCI160808-R82K	0.82&25MHz	K,M	15.0	85	2.10	35
HCI160808-1R0K	1.0&10MHz	K,M	35.0	75	0.60	25
HCI160808-1R2K	1.2&10MHz	K,M	35.0	65	0.80	25
HCI160808-1R5K	1.5&10MHz	K,M	35.0	60	0.80	25
HCI160808-1R8K	1.8&10MHz	K,M	35.0	55	0.95	25
HCI160808-2R2K	2.2&10MHz	K,M	35.0	50	1.15	15
HCI160808-2R7K	2.7&10MHz	K,M	35.0	45	1.35	15
HCI160808-3R3K	3.3&10MHz	K,M	35.0	40	1.55	15
HCI160808-3R9K	3.9&10MHz	K,M	35.0	35	1.70	15
HCI160808-4R7K	4.7&10MHz	K,M	35.0	33	2.10	15
HCI160808-5R6K	5.6&4MHz	K,M	35.0	22	1.55	5
HCI160808-6R8K	6.8&4MHz	K,M	35.0	20	1.70	5
HCI160808-8R2K	8.2&4MHz	K,M	35.0	18	2.10	5
HCI160808-100K	10&2MHz	K,M	30.0	17	1.85	3
HCI160808-120K	12&2MHz	K,M	30.0	15	2.10	3
HCI160808-150K	15&1MHz	K,M	20.0	14	1.70	1

Inductance vs. DC Current



Q vs. Frequency



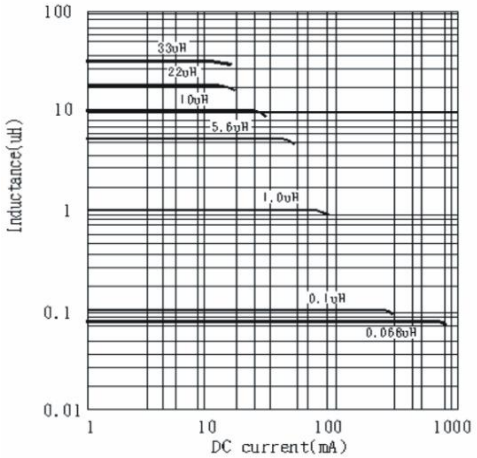
Chip Inductors HCI 201209-201212Series

Pb-free Halogen-free

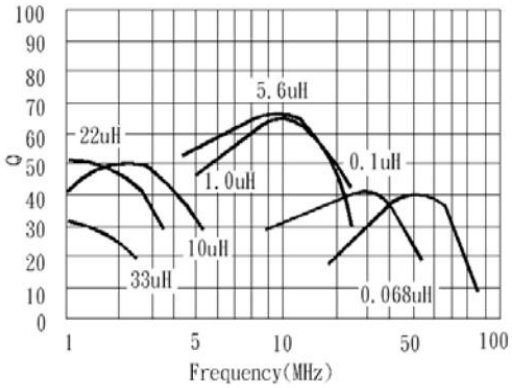
Specifications HCI201209-201212

Part Number	Inductance (uH)	Tolerance (%)	Q min	SRF(MHz) min	DCR(Ω) max	Rated DC Current(mA)max
HCI201209-47NM	0.047&50MHz	M	15.0	320	0.20	300
HCI201209-68NM	0.068&50MHz	M	15.0	280	0.20	300
HCI201209-82NM	0.082&50MHz	M	15.0	255	0.20	300
HCI201209-R10K	0.1&25MHz	K,M	20.0	235	0.30	250
HCI201209-R12K	0.12&25MHz	K,M	20.0	220	0.30	250
HCI201209-R15K	0.15&25MHz	K,M	20.0	200	0.40	250
HCI201209-R18K	0.18&25MHz	K,M	20.0	185	0.40	250
HCI201209-R22K	0.22&25MHz	K,M	20.0	170	0.50	250
HCI201209-R27K	0.27&25MHz	K,M	20.0	150	0.50	250
HCI201209-R33K	0.33&25MHz	K,M	20.0	145	0.55	250
HCI201209-R39K	0.39&25MHz	K,M	25.0	135	0.65	200
HCI201209-R47K	0.47&25MHz	K,M	25.0	125	0.65	200
HCI201209-R56K	0.56&25MHz	K,M	25.0	115	0.75	150
HCI201209-R68K	0.68&25MHz	K,M	25.0	105	0.80	150
HCI201209-R82K	0.82&25MHz	K,M	45.0	100	1.00	150
HCI201209-1R0K	1.0&10MHz	K,M	45.0	75	0.40	50
HCI201209-1R2K	1.2&10MHz	K,M	45.0	65	0.50	50
HCI201209-1R5K	1.5&10MHz	K,M	45.0	60	0.50	50
HCI201209-1R8K	1.8&10MHz	K,M	45.0	55	0.60	50
HCI201209-2R2K	2.2&10MHz	K,M	45.0	50	0.65	30
HCI201212-2R7K	2.7&10MHz	K,M	45.0	45	0.75	30
HCI201212-3R3K	3.3&10MHz	K,M	45.0	41	0.80	30
HCI201212-3R9K	3.9&10MHz	K,M	45.0	38	0.90	30
HCI201212-4R7K	4.7&10MHz	K,M	45.0	35	1.00	30
HCI201212-5R6K	5.6&4MHz	K,M	50.0	32	0.90	15
HCI201212-6R8K	6.8&4MHz	K,M	50.0	29	1.00	15
HCI201212-8R2K	8.2&4MHz	K,M	50.0	26	1.10	15
HCI201212-100K	10&2MHz	K,M	50.0	24	1.15	15
HCI201212-120K	12&2MHz	K,M	50.0	22	1.25	15
HCI201212-150K	15&1MHz	K,M	30.0	19	0.80	5
HCI201212-180K	18&1MHz	K,M	30.0	18	0.90	5
HCI201212-220K	22&1MHz	K,M	30.0	16	1.10	5
HCI201212-270K	27&1MHz	K,M	30.0	14	1.15	5
HCI201212-330K	33&0.4MHz	K,M	30.0	13	1.25	5
HCI201212-390K	39&1MHz	K,M	35.0	8	2.90	4

Inductance vs. DC Current



Q vs. Frequency



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Specifications HCI321611

Part Number	Inductance (uH)	Tolerance (%)	Q min	SRF(MHz) min	DCR(Ω) max	Rated DC Current(mA)max
HCI321611-47NM	0.047&50MHz	M	20.0	320	0.15	300
HCI321611-68NM	0.068&50MHz	M	20.0	280	0.25	300
HCI321611-82NM	0.082&50MHz	M	20.0	255	0.25	300
HCI321611-R10K	0.1&25MHz	K,M	20.0	235	0.25	250
HCI321611-R12K	0.12&25MHz	K,M	20.0	220	0.30	250
HCI321611-R15K	0.15&25MHz	K,M	20.0	200	0.30	250
HCI321611-R18K	0.18&25MHz	K,M	20.0	185	0.40	250
HCI321611-R22K	0.22&25MHz	K,M	20.0	170	0.40	250
HCI321611-R27K	0.27&25MHz	K,M	20.0	150	0.50	250
HCI321611-R33K	0.33&25MHz	K,M	20.0	145	0.60	250
HCI321611-R39K	0.39&25MHz	K,M	25.0	135	0.50	250
HCI321611-R47K	0.47&25MHz	K,M	25.0	125	0.60	200
HCI321611-R56K	0.56&25MHz	K,M	25.0	115	0.70	200
HCI321611-R68K	0.68&25MHz	K,M	25.0	105	0.80	150
HCI321611-R82K	0.82&25MHz	K,M	25.0	100	0.90	150
HCI321611-1R0K	1.0&10MHz	K,M	45.0	75	0.40	100
HCI321611-1R2K	1.2&10MHz	K,M	45.0	65	0.50	100
HCI321611-1R5K	1.5&10MHz	K,M	45.0	60	0.50	50
HCI321611-1R8K	1.8&10MHz	K,M	45.0	55	0.50	50
HCI321611-2R2K	2.2&10MHz	K,M	45.0	50	0.60	50
HCI321611-2R7K	2.7&10MHz	K,M	45.0	45	0.60	50
HCI321611-3R3K	3.3&10MHz	K,M	45.0	41	0.70	50
HCI321611-3R9K	3.9&10MHz	K,M	45.0	38	0.80	50
HCI321611-4R7K	4.7&10MHz	K,M	45.0	35	0.90	50
HCI321611-5R6K	5.6&4MHz	K,M	50.0	32	0.70	25
HCI321611-6R8K	6.8&4MHz	K,M	50.0	29	0.80	25
HCI321611-8R2K	8.2&4MHz	K,M	50.0	26	0.90	25
HCI321611-100K	10&2MHz	K,M	50.0	24	1.00	25
HCI321611-120K	12&2MHz	K,M	50.0	22	1.05	15
HCI321611-150K	15&1MHz	K,M	30.0	19	0.70	5
HCI321611-180K	18&1MHz	K,M	30.0	18	0.70	5
HCI321611-220K	22&1MHz	K,M	30.0	16	0.90	5
HCI321611-330K	33&0.4MHz	K,M	30.0	13	1.05	5